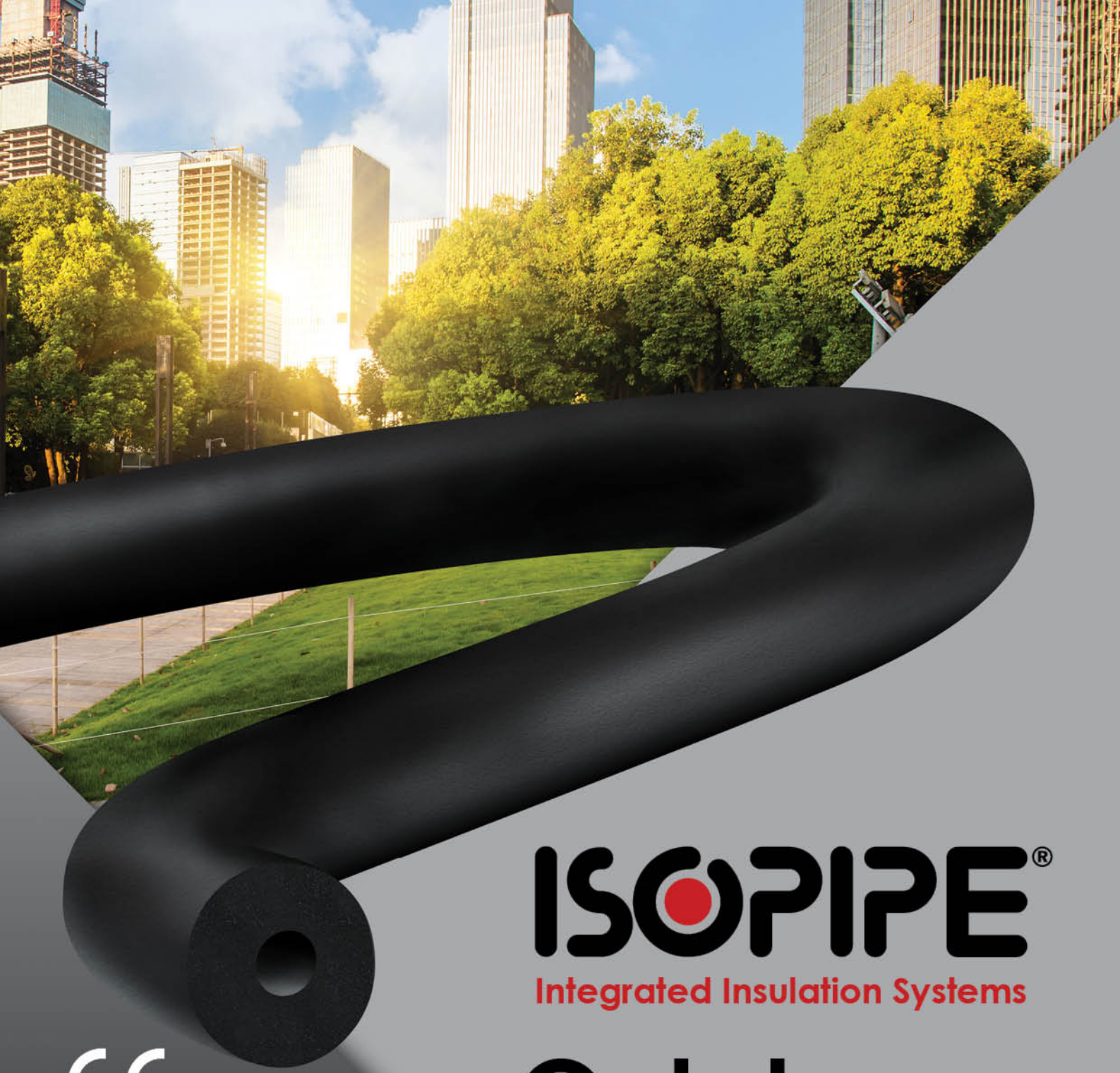


ISOPIPE®

Integrated Insulation Systems

CE

Catalogue

Rebuild the future!

www.isopipe.eu

ISOPIPE®

Integrated Insulation Systems

Rebuild the future!

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Corporate Identity

Rebuild the future!

ISOPIPE® S.A. History





1997: The Beginning

- **ISOPIPE S.A.** is engaged in the production of the widely used closed cell synthetic rubber insulation under the trademark **ISOPIPE**. Our extensive product range includes **ISOPIPE TC, ISOROLLS, ISOSHEETS** and **ISOSYSTEM**.
- **ISOPIPE S.A.** plant is located in Ritsona area of Halkida - north of Athens, with a production area of 20,000 m² and 4,000 m² of buildings.

2000: Award Ceremony

- ISOPIPE insulation by **ISOPIPE S.A.**, received a quality excellence award by the EUROPEAN Business Organization.

2002: Factory Expansion

- **ISOPIPE S.A.** expanded its production facilities to a total covered area of 40,000 m² and buildings of 8,000 m².

2006: Factory Expansion

- **ISOPIPE S.A.** further expanded its premises to a total covered area of 40,000 m² and buildings of 12,000 m².

2007: Patended Product

- **ISOPIPE S.A.** introduced two new products, ISOPIPE Slit & Seal and SOLAR Covering.
- **ISOPIPE Slit & Seal:** Pre-slit pipe with self-adhesive tape and self-adhesive overlap.
- **SOLAR COVERING:** An absolute effective and reliable product for solar heating system, which combines the high-tech ISOPIPE insulation with our expertise in UV Covering, patented product.

2008: Boiler Production

- **ISOPIPE S.A.** produces cast iron boilers for central heating, under the name TORRENT. The boilers are produced in accordance with European Standards. The range includes boilers from 21,686 to 1,203,783 kcal/h or 25 to 1,400kw.
- **ISOSOL Pre - Insulated Pipes**
  The high quality and wide range of our bare pipe (INOX, Copper, PE and PERT-AL-PERT) in combination with **ISOPIPE S.A.**'s expertise in closed-cell synthetic rubber elastoeric foam, offer an ergonimic and highly functional product.

2009: Barcelona Spain Subsidiary

- **ISOPIPE S.A.** created a subsidiary in Barcelona, Spain, under the name ISOPIPE Ibérica sl.
- **ISOPIPE HT-HF** is an environmentally friendly halogen free product, for higher temperature applications (+175°C).
- **UV PLUS COVERING:** is an aluminum external protection covering composed of three layers of polyester, aluminum and polyethylene, thus providing resistance both to ultra violet radiation and other atmospheric agents.
- **HEAVY DUTY (HD) COVERING:** is a superior reinforced external aluminum protection covering, offering high resistance against mechanical damage, ultra violet radiation, leakages and pipe corrosion. The HEAVY DUTY COVERING consists of three layers of Polyester, Aluminum and Fire Resistant (FR) PVC.

History ISOPIPE® S.A.



2010: Factory Expansion

- **ISOPIPE S.A.** further expanded its facilities to a total covered area of 60,000 m² and buildings of 30,000 m².

2011: Sound Absorption

- **ISOSOUND** is a new sound absorption and sound insulation product of high performance, specially designed for specific applications.

2015: TWIN SOLAR COVERING

- The patented product by **ISOPIPE S.A.** is now available in **TWIN**, which offers quick, easy and trouble free installation! The connection of the tubes is made through a special protective film, which allow easy separation at any desired length. Also available in **ISOSOL TWIN** with or without cable.

2016 - 2017: New Innovations

- **ISOPIPE S.A.** invests in high technology machinery, research and development and testing laboratories to improve the quality of its products and to introduce new products in the market.
- Our production process is now under EN ISO 9001:2015.

2017: TORRENT Condensing

- **ISOPIPE S.A.** introduced **TORRENT New Cast Iron Condensing Boilers**, Class A worldwide.
- **ISOPIPE Insulation Calculator**, a new user-friendly app is launched for Tablet & Mobile Devices.

2018: Madrid Spain Subsidiary

- **ISOPIPE ibérica sl** created a subsidiary in Madrid, Spain.

2019: London UK Subsidiary

- **ISOPIPE S.A.** created **ISOPIPE UK Ltd**, a subsidiary in London, UK.
- **ISOPIPE S.A.** launched **HP COVERING** which is a special aluminum covering for hygienic and internal applications.

2020: New Products

ISOPIPE S.A. launched two new products:

- **ISODUCT:** Flexible elastomeric foam insulation with significantly high percentage of closed cells in the form of rolls, NBR based, width 1.5 m with or without self-adhesive. Also available with hygienic protection covering.
- **ISOCOIL 15m:** All the benefits of ISOPIPE TC Pipes, it is now delivered in a continuous length of 15 meters.

Mission, Vision & Values

Mission

ISOPIPE S.A.' s mission is to manufacture high quality, certified products and promote them all over the world, always respecting human health and the environment.

Vision

Our vision is to constantly enhance premium testing procedures in our production lines, through our Research & Development Department (R&D), and to stay contemporaneous with global, emerging needs.



Mission, Vision & Values

Values

ISOPIPE S.A. was built and developed based on our Company's motto, which is

"Rebuild the future"

Our mission is based on the values of:

Trust



Through interpersonal communication we have managed to build trustworthy and long lasting relationships with our colleagues and partners, always being honest and consistent to our core values.

Credibility



Every member of ISOPIPE S.A., is explicitly informed about its core values and goals, in order to better promote company identity. Following international regulations, we always manage to provide high quality, certified products to our associates. For us, the key factor of our company's success is honesty between all our partners, colleagues as well as the final products provided.

Safety



For us, the safety of our people is a matter of utmost importance. A friendly and stable working environment is necessary for building strong relationships between all our colleagues and partners, through mutual teamwork and respect for each person's needs and rights.

Nature



Based on our motto, *"Rebuild the future"*, we are supporters of environmental sustainability, fact which is incorporated in our company's function and daily activities. Therefore, we are trying to reduce the consumption of non-environmental friendly substances and recycle our raw materials.

Potential



Our passion is people we are working with. For that reason, we mostly value their personality, while at the same time we always manage to expand their knowledge and capabilities, thus creating value, both for them and the organization. Towards that direction and trying to reach our optimum potential, we regularly arrange useful inside meetings with general topics such as time management, body language and strategic communication, which cultivate our personality, but also meetings which help us better understand ISOPIPE S.A.'s identity and products.

Goals



Service

Offering optimum customer experience by respecting our customers' rights, beliefs, values and culture, while at the same time staying true to our company's identity.



Efficiency

Increase the efficiency and productivity of our people through continuous improvement procedures, including several types of meetings. Additionally, we devote all our efforts to continuously improve our production efficiency through processes which save energy and finally offer better quality of life.



Protection

We aknowledge our responsibility to the enviroment and work to achieve the protection of the natural resources, by embracing enviromentally conscious habits.



Growth

Our plan is to expand our global presence through the creation of new branches along with the introduction of new, innovative products.



Environmental Sustainability

Human, society & the enviroment have a bilateral relationship, and the duty of humans to protect them is inherent. In **ISOPIPE S.A.,** this basic percept has been incorporated to our daily activities, being of guiding purpose.

It is a major target for every department of the company, to find ways to protect the environment, and to improve energy efficiency levels, especially in the production process.

ISOPIPE S.A. also encourages environmentally friendly actions such as recycling and minimization of energy consumption. This is not only part of the company culture, but it is also transmitted to every member of our group.

All **ISOPIPE S.A.** products belong to the elite of their categories, regarding energy efficiency, as part of their environmental and quality commitment.

Certifications





ISOPIPE S.A. is committed to supply the market with high quality products, always complying with the latest standards.

All declared attributes of our products are acknowledged by well known notified bodies. Moreover, all test reports are repeated periodically to ensure constant performance.

All our products possess a **CE** mark as a declaration that they comply with the requirements of the relevant European Health, Safety and Environmental Protection legislation.

All company procedures are explicitly described in the **Quality Management System of ISOPIPE S.A.**, which is certified according to **ISO 9001**. Several additional certifications, even some required for specific markets are available upon request. A book with the most commonly asked certificates of our products can also be provided to our partners.



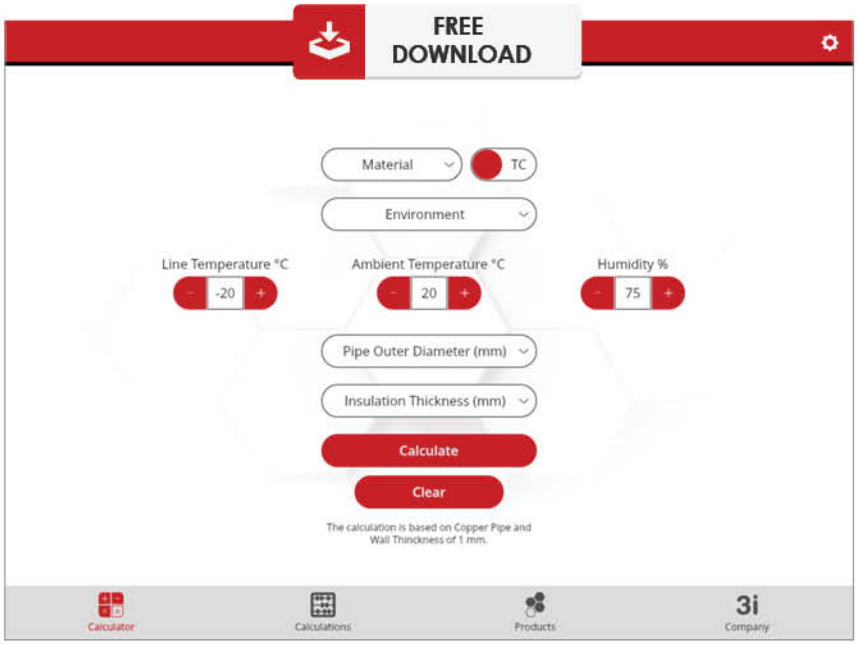
New User Friendly App for Tablet & Mobile Devices

ISOPIPE® Insulation Calculator

ISOPIPE Insulation Calculator has been developed to offer exact measurements for Certified Insulation, ***ISOPIPE TC*** (NBR) and ***ISOPIPE HT-HF*** (EPDM).
Through the Program's Calculations you receive many recommendations, but also the techno-economic choice towards energy savings.

ISOPIPE Insulation Calculator Highlights:

- The app **works Offline**, online use while sending the PDF file
- **Save** the **Calculation** inside the Program
- More than **2000** Calculations can be Saved and seen any time
- **Send** the Calculation in any **Email** address in PDF form
- **Send** Multiple Saved Calculations in a **Single PDF** file
- **Translated** in **8 languages**
- **Download** it for **free** in *Apple Store* & *Google Play Store*



GET IT ON Google Play

Download on the App Store

For Online application use, please visit:
http://calculator.isopipe.eu

Networks Insulation

Network Insulation with ISOPIPE Flexible Elastomeric Foam Insulation

Pipe Insulation for Hot - Cold Water Systems



ISOPIPE Flexible Elastomeric Foam Insulation is extensively used in hot, cold and return water pipe networks, thus preventing heat losses and condensation. Additionally, the accessories used for pipes' connection (tees, valves, manifolds, control instruments) is recommended to get insulated with the same material used for pipelines, thus offering a uniform and nice visual result.

ISOPIPE Insulation can be manufactured in the form of rolls-sheets and pipes in different sizes, according to the intended use and the place of application.

All ISOPIPE products are produced with high standards, and all their technical characteristics comply with the latest European regulations. (See *Mechanical & Thermal Properties* of ISOPIPE TC in page 29 & ISOPIPE TR in page 39)

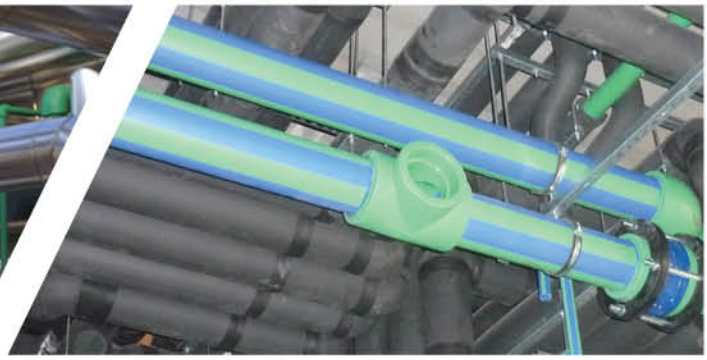
Insulation of Air Ducts and Big Surfaces



ISOPIPE Insulation is also used in inlet vents, return vents and re-circulating & air-conditioning systems, in order to conserve heating and cooling energy, prevent condensation and control duct-borne noise in commercial, institutional, or residential heating, ventilation, and air-conditioning ductwork.

ISOROLLS or sheets are an excellent solution for insulating large objects like ducts & large bore pipes, due to their high elasticity & flexibility. Professionals can install the product quickly and give it the desired shape by eliminating undesirable gaps, as per indicative type **ISOROLLS TC/ HT -HF** (See *Mechanical & Thermal Properties* of ISOPIPE TC in page 29 & ISOPIPE HT-HF in page 47).





Pipe Insulation for Solar Systems, Outdoor Facilities & Interior Clean Spaces

ISOPIPE Insulation Coverings combine the well-known benefits of ISOPIPE elastomeric insulation products with excellent mechanical properties and control an above-average wide temperature range. ISOPIPE insulation coverings ensure excellent protection against solar radiation, mechanical strength, easy cleaning and long-lasting performance of insulating capacity.

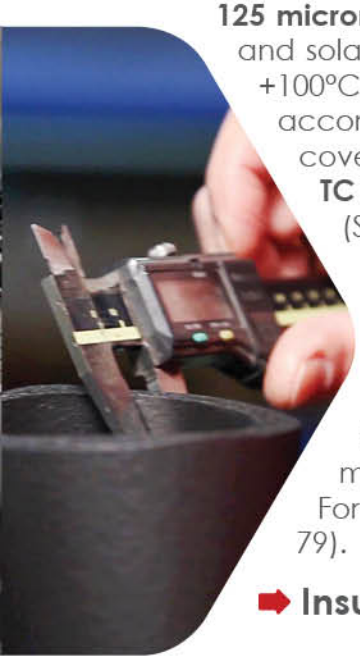


ISOPIPE Coverings:

I. SOLAR Covering: a special polymer membrane in White, Black or Silver colour, with an average 5 years resistance to Mediterranean climate's UV radiation. The protective film's temperature resistance is from -70°C to +80°C according to ISO 306, tensile strength > 10 Mpa, and elongation at break > 200% according to ASTM D882, maximum diameter up to 5" or manufactured insulation tubes with the same covering, indicative type **ISOPIPE TC SOLAR**. For pipes with diameters >5", we recommend ISOROLLS TC SOLAR (See pages 52 & 77).

II. HP Covering: a protective 5-layer sheet of reinforced Aluminum with 3-way supportive fiberglass scrim, polyethylene and Kraft paper, **especially designed for hygienic and internal applications as well as for duct wrapping in HVAC system and other fields.** Due to its special processing, **HP Covering** has very good flame-retardant property. This protective film works perfectly in a temperature range of -35°C to +120°C (See pages 57 & 78).

III. UV PLUS Covering: a protective 4-layer sheet of polyester, aluminum and polyethylene 125 microns thick, with an average10 years resistance to adverse weather conditions and solar radiation. **UV PLUS** protective film's temperature resistance is from -40°C to +100°C. Additionally, its traction resistance longitudinally/ transversely is at 75N/ 78N, according to DIN 5553, type triplex, or insulation tubes manufactured with the same covering (polyester, aluminum and polyethylene), as per indicative type **ISOPIPE TC UV PLUS**. For pipes with diameters >5", we recommend **ISOROLLS TC UV PLUS** (See pages 61 & 78).



IV. HEAVY DUTY (HD) Covering: a protective 4-layer sheet of FR PVC, double layer of aluminum and special protection UV 230 microns thick, with an average 15 years resistance to UV radiation. Moreover, the protective film operates properly in a temperature range of -25°C to +75°C, with permeability to 0,028 gr/ m², weight 340gr/ m² and covering puncture >23 N for insulation manufactured with the same covering, as per indicative type **ISOPIPE TC HD**. For pipes with diameters > 5", we recommend **ISOROLLS TC HD** (See pages 66 & 79).

Insulation Thickness

ISOPIPE products are designed for great performance. Providing an excellent thermal conductivity (λ) value and high water vapour diffusion resistance. However, it is important to choose the appropriate thickness to ensure that there will be no chance of condensation or excessive energy loss. ***ISOPIPE Insulation Calculator*** is developed to help the installer decide the best solution in every case.

Several countries have enacted regulations, indicating the appropriate type of insulation in each type of installation, such as *Reglamento de Instalaciones Térmicas en los Edificios (RITE)* in Spain, *Building Regulations BS 5422:2009 Part L* in UK etc.

ISOPIPE, as high quality products, are designed to exceed the required performance, so that they will be easily used in installations according to almost every standard worldwide.

Networks Insulation

Insulation of Large Pipelines



The most significant benefits of piping insulation include energy efficiency and reliability under different conditions, in addition to the functionality of the process control, an appropriate structure which supports the operating environment. Thermal insulation of piping plays a significant role in fulfilling these requirements.

Insulation of large pipelines should be continuous, however most of the times piping networks need to be insulated separately. In order, to have a uniform effect neighboring or parallel pipes should not be insulated together. To this end, insulation material needs to be placed firmly in integral pieces.

In cases where insulation material needs to be cut or beveled at corners, we recommend that you use our pre-slitted insulation pipes, which have larger bonding surface, better adhesive properties and less risk of heat loss. Our pre-slitted pipes can be connected with double adhesive tape or glue suggested by insulating material manufacturer, i.e. **ISOGLUE** (see pages 98-99).



The most updated installation method designates the use of insulation roll/ sheet which has integrated self-adhesive tape and self-adhesive overlap, a product which reduces significantly application and installation time and costs, while offering a professional finish to the final project.
In case of circular air ducts, their insulation can be made by using a single pre-slanted edge-cut sheet (**ISOSYSTEM TC** see page 80-85), in order to form one connection joint and achieve zero material waste.
ISOPIPE Insulation products should always be installed by qualified and experienced technicians.

Insulation Application Precautions:

Before insulation's application, all surfaces must be carefully cleaned up, so that all particles and residues are removed, and the surface is degreased thoroughly. Furthermore, we recommend that non- galvanized pipes will get painted with two coats of graphite.
Visible crossings (outside false- ceilings) shall be protected with **ISOPIPE COVERINGS** (see pages 52-69).



Networks Insulation



High Temperature Applications and Firm Environmental Quality Standards

In the case where insulating material is applied at higher temperatures up to 150°C or briefly up to 175°C, as well as in applications where environmental issues (toxicity) are of high priority, it is necessary to use products more environmentally compatible, which are free of CFC, HFC, HCFC and halogens (Halogen-Free), and do not release harmful substances to the ozone layer and have very good resistance to high temperature and external resistance to wear and tear.

Solutions ISOPIPE S.A. is offering is flexible elastomeric foam (synthetic rubber) of closed cellular structure in form of a tube, sheet or roll, as per indicative type ISOPIPE HT-HF. Our insulation material strictly meets the technical characteristics and comply with the basic technical requirements (See *Mechanical & Thermal Properties* of ISOPIPE HT-HF in page 47).

ISOPIPE HT-HF pipes are available in bare type or coated with **SOLAR, UV PLUS and HEAVY DUTY Coverings**, as described previously (See pages 52-69). **ISOROLLS HT-HF** are also available, with or without self-adhesive (See pages 74-79).



HALOGEN FREE

Ethylene Propylene Diene Monomer EPDM

-50°C

+175°C

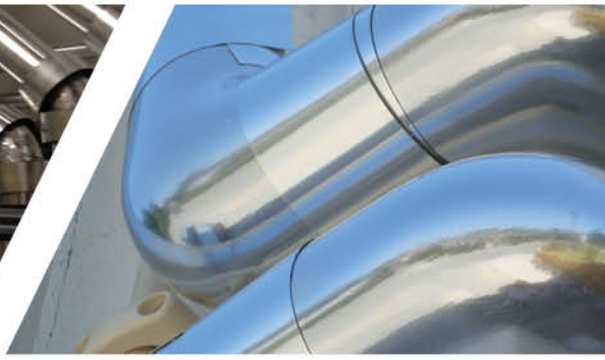






Business Area





ISOPIPE S.A. offers a complete range of products, thus satisfying demanding and technically challenging business projects. ISOPIPE insulation is focusing on business areas which include:



1. Industrial & Commercial Facilities

ISOPIPE products are specially designed to fulfil the requirements for a wide range of industrial applications, by insulating equipment like valves, flanges, ducts, pipelines etc, to increase energy efficiency and reduce costs, as well as to control condensation and increase personnel protection.

ISOPIPE products are also recommended for offices, hotels, hospitals and other buildings to increase their energy efficiency, and control condensation in heating, ventilation, air conditioning and refrigeration systems.

2. Solar Energy Market

ISOPIPE products are widely used in the solar energy market sector, in all connections between solar panels and tanks or vessels, due to their high temperature resistance and increased workability.





3. HVAC & R

ISOPIPE products are of superior quality, and therefore mostly appropriate for demanding applications like large surface areas, such as ducted heating, ventilation and air conditioning systems, in order to prevent heat losses, condensation, and mould growth. All our products are tested and certified for their built resistance to fungi and bacteria, contributing positively to higher indoor air quality.

Business Area



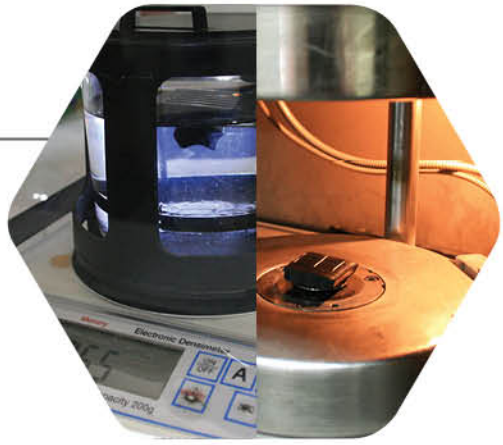


4. Transportation

ISOPIPE products contribute significantly in thermal insulation of land and marine vehicles, such as trains and ships for energy savings and passenger comfort.

5. O.E.M.

Our specialized Research & Development Department can provide solutions for customized applications, like machines with insulated parts, private label products or products under particular specifications for special markets.

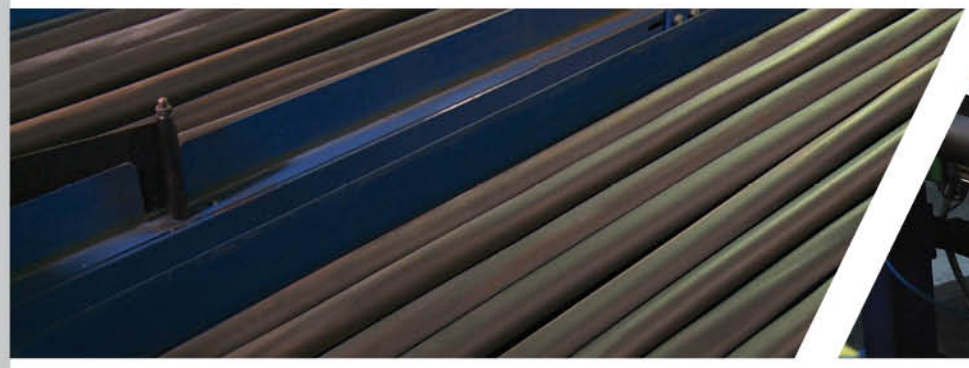


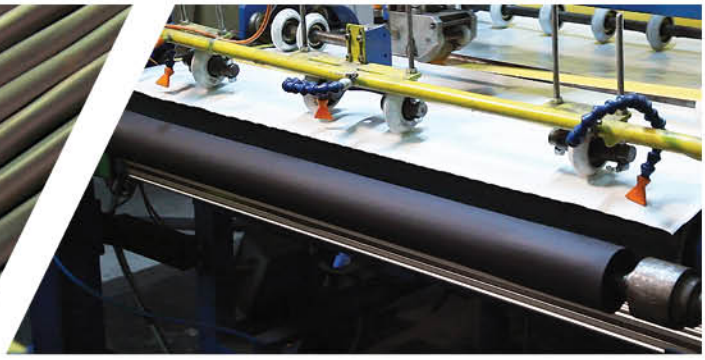


6. Sound Absorption

ISOPIPE products are also used for acoustic insulation and sound absorption, as they provide excellent sound proofing for walls, ceilings and floors, in buildings and industrial applications.

Production Procedure





1. Raw Materials

Raw materials selection from qualified global leader suppliers such as Lanxess, Zeon, Huber, Chemtura, Flexsys, Cabot.



2. Automated Bulk Handling System

Weighing materials, moving them into the station for the final verification of weighted additives.
The weighing of raw materials & additives process is electronically controlled by a bulk handling system.





3. Production of Synthetic Rubber Compounds

- Mixing of synthetic rubber with the weighted additives.
- Homogenization of rubber compounds after mixing.
- Cooling of the homogenized synthetic rubber compound.
- Cutting of cooled rubber compound & preparation for the next processing stage.
- Storing, maturing of sheets for extruder feeding.

4. Quality Control of Synthetic Rubber Compounds

Checking compounds through a special control equipment for their quality characteristics (Viscometer and Rheometer):

- Inspection of the compound's viscosity.
- Inspection of the compound's rheological parameters before the extrusion process.
- Check the control system's indications in order to investigate whether the specifications are acceptable.



5. Expansion of Synthetic Rubber Compounds And Production of Final Product

- Feeding extruder with rubber compound.
- Rubber compounds forming into pipes or sheets form.
- Production of expanded ISOPIPE & ISOROLL insulation.
- Ink jet printing and cutting of expanded products.



6. Quality Control of the Final Product

- Density measurement
- Fire behaviour measurement
- Thermal conductivity measurement
- Permeability index (μ) measurement

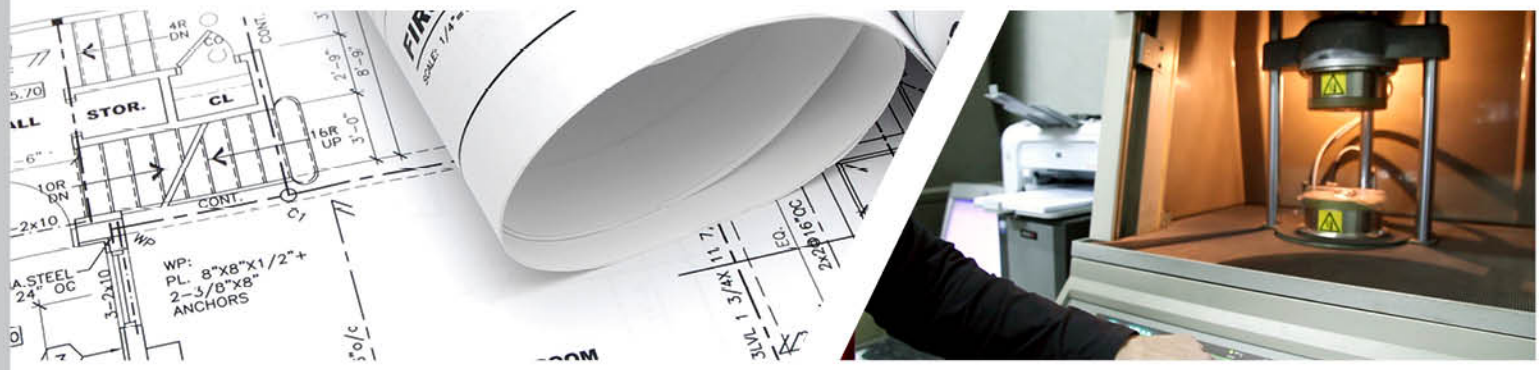


7. Packing & Storage

- Packaging: Each product has its own package and label with the description and trace number.
- Labeling System: The labeling system is based on different label colours, which indicate the product contained in each box.
- Warehouse: Our storage space is controlled by a computerized warehousing system. Therefore, every single product is stored in the appropriate position.



Technical Information



ISOPIPE the Correct Application and Effective Density

ISOPIPE insulation guarantees excellent application due to its stable internal diameter tolerances achieving easy mounting and effective insulation.

Thermal conductivity is in proportion to the amount of insulation material per unit of volume. When insulation material's density is small, then the heat transfer (radiation and stream) is important. As the density increases the heat transfer is reduced resulting in increased thermal conductivity.

When heat transfer values match those of thermal conductivity, then for the specific density of the insulation material minimum thermal conductivity is achieved.

Usually, after this point thermal conductivity increases. **Synthetic rubber insulation's desity is directrly related and mainly affected by the following factors:**

- the presence of many small air insulation cells that have resulted in increasing the density.
- the presence of few and large cells that reduce not only the density but also the cost.

ISOPIPE insulation's synthesis has 100-120 cells per square centimeter, having a density of 60 kgr/m³, ±10 kgr/m³ per cubic meter, thus approaching the optimal values of synthetic rubber insulation.

Therefore, the characteristics that define the good quality of insulation material are the ones combining the right number and cells size with a density of 60 kgr/m³, ±10 kgr/m³ per cubic meter, thus offering high elasticity and long life.

What is Thermal Conductivity (λ)?

Thermal conductivity reflects the ease or difficulty of a material in the transmission of heat through it. Heat is transferred in three ways: conduction, convection, radiation.

Thermal conductivity is fixed for each type of material and depends on several other parameters (with the most important being temperature). The units of measurement are W/mK (power per unit of length and per degree of temperature).

As air (closed cells) and the elastomeric material are poor conductors of heat, ISOPIPE products significantly reduce the heat transfer through the insulation. More specifically, the measured thermal conductivity value (λ) is **0.033 W/mK at 0°C** for **ISOPIPE TC** & **ISOPIPE TR**, and **0.040 at 0°C W/mK** for **ISOPIPE HT-HF**.

What is Permeability (μ)?

Water vapour permeability is a measure of the quantity of water vapour transferred per unit of time through a surface of the material and the unit of pressure difference between the two sides for a given thickness.

The units are: mg* m-1* h-1* Pa-1.

Water vapour diffusion resistance index (μ) is the ratio of air permeability to material permeability (for the same layer thickness of the air and the material). More specifically, the index shows how many times more resistant is the material to water vapour diffusion from a completely immobile air layer, with same thickness as the material. For example, μ = 5000 for a material thickness of 19mm, means that the water vapour (moist air) penetrates the mass of material 5000 times more difficult than through a layer of still air 19mm thick. Index μ is unitless.

The structure and material of ISOPIPE products offer a high resistance to water vapour transmission. The particular property ensures long-term efficiency and effectiveness of insulation.
ISOPIPE products' measured water vapour diffusion resistance (μ) value is: **ISOPIPE TR ≥ 10.000, ISOPIPE TC ≥ 7.000 & ISOPIPE HT-HF ≥ 4.000.**

ISOPIPE Behaviour in Fire

Fire Rating (FR) means:
1. How easily the material inflates
2. If inflated, how easily transmits the flame
3. How much heat is released during burning
4. The amount of smoke produced by burning

Our materials, in order to prevent easy inflammation, contain additives that suppress fire upon generation(some degradable materials produce water, thus reducing the temperature) and also in the gas phase (some materials bind free radicals, wich are responsible for the transmission of fire. These operate in the gas phase resulting to smoke generation).

ISOPIPE products are classified regarding their fire behaviour according to EN13501-1. According to this standard, the fire behaviour is described by 3 values. The first shows how fire propagates and goes from A1 (only for non-organic building materials that are non-combustible) to F (for products that fail to pass the tests). The second value is indicated with the letter S and a number that goes from 1 to 3 showing the amount of smoke produced by burning (most elastomeric insulations give S3). The third value is indicated with the letter d and a number that goes from 0 to 2 which show the amount of droplets produced during burning, where 0 means no droplets.

ISOPIPE products have excellent behaviour in fire. They do not produce flaming particles nor they spread flame. They provide safe insulation, and are recommended as the ideal choice for residential areas and public buildings.

ISOPIPE TC products are manufactured in accordance with the most building regulations with a fire behaviour **B-S2,d0**. For special applications, **ISOPIPE TR** is the best solution as it provides reduced smoke during burning and has a fire behaviour of **B-S2,d0**. For applications that no halogens are allowed, **ISOPIPE HT-HF** is specially designed without halogenated flame retardants, and therefore with a **Class E** fire behaviour.

Temperature Tolerances

ISOPIPE products are considered as thermosetting material. Brief operation in temperatures above the recommended use (**for ISOPIPE TC & ISOPIPE TR, -50°C to +110°C, for ISOPIPE HT-HF -50°C to +175°C**) will not lead to failure.

Applications

ISOPIPE's unique applications.

	Products / Applications	ISOPIPE TC	ISOPIPE TR	ISOPIPE HT-HF	SOLAR COVERING	UV PLUS COVERING	HP COVERING	HEAVY DUTY COVERING	SLIT & SEAL	ISOSOL TC	ISOSOL TC SOLAR	ISOSOUND
	Antibacterial	✓	✓		✓[1]	✓[1]	✓[1]	✓[1]	✓	✓	✓	
	Chemical and Pharmaceutical			✓	✓[2]	✓[2]		✓[2]				
	Cold Water	✓	✓	✓	✓	✓	✓[1]	✓	✓	✓	✓	✓
	Enclosed Spaces	✓	✓	✓								
	Renovation - Already Existing Applications								✓			
	Food Industry			✓	✓	✓	✓[1]	✓				
	Heating & Plumbing	✓	✓	✓	✓	✓	✓[1]	✓	✓	✓	✓	
	HVAC	✓	✓		✓[1]	✓[1]	✓[1]	✓[1]	✓	✓	✓	
	Low Temperature Cryogenic	✓	✓		✓[1]	✓[1]	✓[1]	✓[1]	✓	✓	✓	
	Refrigeration	✓	✓		✓[1]	✓[1]	✓[1]	✓[1]	✓	✓	✓	
	Schools & Hospitals			✓	✓[2]	✓[2]		✓[2]				
	Ships & Trains	✓	✓		✓[1]	✓[1]		✓[1]	✓			
	Solar Hot Water			✓	✓[2]	✓[2]		✓[2]				
	Sound Absorbtion											✓
	Stadiums	✓	✓		✓[1]	✓[1]	✓[1]	✓[1]	✓			

[1] with ISOPIPE TC Insulation
[2] with ISOPIPE HT-HF Insulation

Product Range



	Pipes	Coil	Slit & Seal	System	Sheets	Rolls
TC	✓	✓	✓	✓	✓	✓
TR	✓		✓	✓	✓	✓
HT-HF	✓		✓	✓	✓	✓
SOLAR	✓		✓	✓	✓	✓
SOLAR SG	✓					
HP	✓		✓	✓	✓	✓
UV PLUS	✓		✓	✓	✓	✓
HEAVY DUTY	✓				✓	✓



Conserving energy for a better planet

ISOPIPE® TC

Flexible Elastomeric Foam Insulation (FEF)



-50°C
+110°C

98,5% Closed Cells

E84 Class A EN 13501 B-s2, d0

Nitrile Butadiene Rubber NBR

ANTIBACTERIAL

Long-term and reliable thermal efficiency

Unique Applications

Ships



Trains



Stadiums



ISOPIPE® TC

Description & Benefits

ISOPIPE TC is a **NBR** based flexible elastomeric foam insulation with significantly high percentage, **98.5%**, of **closed - cells**.
ISOPIPE TC ensures long-term and reliable thermal efficiency.

A new generation of high performance insulation!



- Thanks to its closed cell stucture, **ISOPIPE TC** has **excellent insulation properties**.
- **ISOPIPE TC** has **outstanding thermal performance** and **condensation resistance** due to the high percentage, 98.5%, of closed cells.
- **ISOPIPE TC** insulation systems are manufactured with all due **respect** for the **human health** and the **environment**.
- **ISOPIPE TC** is **certified** for Anti-Microbial and Fungal Protection according to ASTM E2180 and ASTM G21.
- As an NBR based product, **ISOPIPE TC** insulation, provides great **oil** and **grease resistance**.
- **ISOPIPE TC** is offered in a wide range of sizes and forms, making its application easier.
- **Short lead time due to our high flexibility of production.**
- The outstanding performance of **ISOPIPE TC** material is guaranteed through **continuous supervision** and **factory tests**.

“Invest in the Future! ISOPIPE TC keeps people & environment safe”



ISOPIPE TC insulation systems safeguard improved air quality and environmental sustainability.

ISOPIPE® TC

Product Characteristics

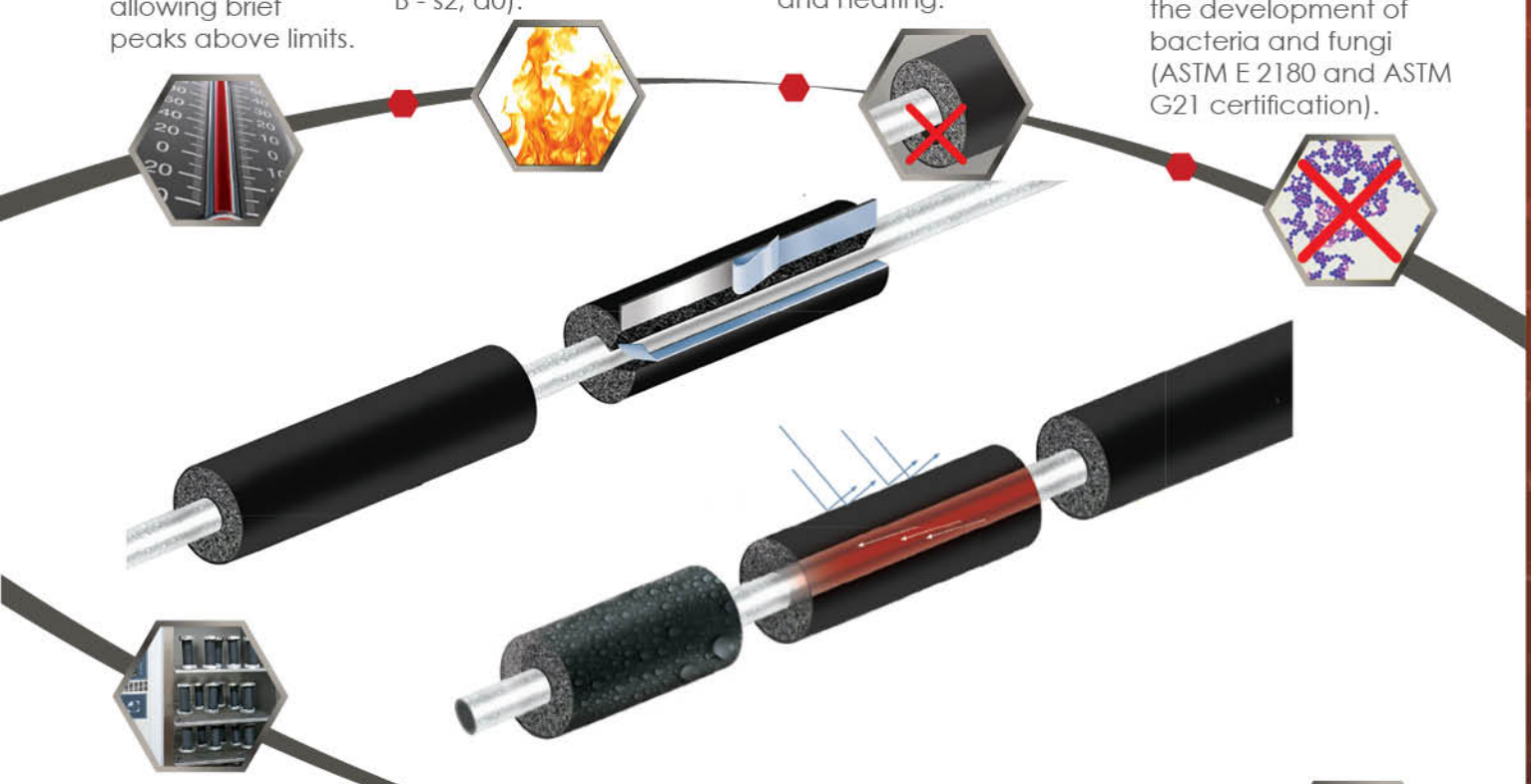
Material: Closed - cell synthetic rubber elastomeric foam.

Temperature Range
Extensive range (-50°C to +110°C) allowing brief peaks above limits.

Fire Performance
Ideal for residential and public buildings as it will not spread flames or drip flaming particles (E84 Class A, EN 13501, B - s2, d0).

Proper Fit
With exemplary tolerances, secures proper fit ensuring more savings for refrigeration, cooling and heating.

Antimicrobial Protection
An advanced composition preventing the development of bacteria and fungi (ASTM E 2180 and ASTM G21 certification).



Permeability
Very high resistance to water vapour transmission, ensuring long - term performance and effectiveness of the insulation.
($\mu \geq 7000$)

Thermal Conductivity
Superior quality closed-cell elastomeric material, designed to reduce thermal losses.
$\lambda = 0.031$W/mK at -20°C
$\lambda = 0.033$W/mK at 0°C
$\lambda = 0.035$W/mK at +20°C
$\lambda = 0.036$W/mK at +30°C

Density
Produced with optimum density for effective reduction of thermal losses.
60 kgr/m³, ±10 kgr/m³

Flexibility
Exceptional elasticity and endurance for time-saving applications and effective insulation.

A wide range of Applications

Heating | Plumbing | Air Conditioning | Refrigeration | Solar Energy

ISOPIPE® TC

Product Range

Pipes



- Available in thickness of: 6, 9, 13, 19, 25, 32, 40, 50 mm and pipe diameters up to 139 mm.
- Pipe's standard length is 2 meters and 1 meter.
- Available in: **ISOPIPE TC, ISOPIPE COVERINGS: SOLAR, SOLAR SG, HP, UV PLUS & HEAVY DUTY (HD)**(see pages 30, 54, 59, 64 & 68)

Sheets



- Available in thickness of: 6, 10, 13, 19, 25, 32, 40, 50 mm.
- Pre-cut in 1 meter length and 1 meter width.
- Available in: **ISOSHEETS TC, ISOSHEETS COVERINGS: SOLAR, HP UV PLUS & HEAVY DUTY (HD) (with or without self-adhesive)** (see pages 76-79)

System



- A custom-width sheet to accurately cover large pipes of any diameter, **cut in angle** to ensure proper fit and better edge bonding.
- Available in thickness of: 13, 19, 25, 32, 40 mm and pipe diameter from 114 mm up to the desired diameter.
- Packaged in 1 meter length.
- Available in: **ISOSYSTEM TC, ISOSYSTEM COVERINGS: SOLAR & UV PLUS** (see pages 82-84)

Slit & Seal



- **Pre slit pipe with self-adhesive tape and self-adhesive overlap.** Significantly reduces application and installation time and labor costs. Perfect for already existing pipe systems.
- Available in pipe form with thickness of: 9, 13, 19, 25, 32, 40 mm and pipe diameters up to 114 mm.
- Pipe's standard length is 2 meters and 1 meter.
- Available in: **ISOPIPE TC, SOLAR COVERING** (see pages 72-73)

Rolls



- Available in thickness of: 6, 10, 13, 19, 25, 32, 40, 50 mm.
- Available in width of 1.00 m and length up to 30 meters.
- Available in: **ISOROLLS TC, ISOROLLS COVERINGS: SOLAR, UV PLUS, HP & HEAVY DUTY (HD) (with or without self-adhesive)** (see pages 76-79)

Coil



- It is highly practical for installers and technicians. No scraps; cut only the necessary length and store the rest. Less use of glue and less hassle.
- Available in thickness of: 6, 9, 13 mm and pipe diameter up to 28 mm, coiled in continued lengths of up to 76 meters.
- Available in two size boxes at the same price. Ruler on each box.
- Available in: **ISOCOIL TC** (see page 33)

Mechanical & Thermal Properties

Properties	Technical Data	TEST Methods	Lab/ TEST Reports
Thermal Conductivity (λ)	-20°C - 0.031 W/mk	EN 12667	Danish Technological Institute
	0°C - 0.033 W/mk		
	20°C - 0.035 W/mk		
	30°C - 0.036 W/mk		
Permeability (μ)	≥7,000	EN 13469, EN 12086	self monitoring
Operating Temperatures (°C)	-50°C to +110°C (+85°C If System, Sheets, Rolls are glued to the object with its whole surface)	EN 14707 EN 14706	MPANRW
Fire Rating (FR)	**Coil, Pipes, Slit & Seal:** B-S2, d0 Class 0, Class 1 Class A or Class 1 B_L -s2, d0 Low Flame Spread	EN 13501-1 BS 476 p.6 & p.7 UNI 8457 ASTM E 84 IMO RES.MSC 61 (67) FTP code, annex 1, part 5	CSI Spa Warrington Fire Research Warrington Fire Research Siemens Axiva supervised by Bureau Veritas MARINE Division Bureau Veritas MARINE Division, LAPI, TUV Nordi Baltic Ltd, TNO. Swedcert
	System, Sheets, Rolls: B-S3, d0	EN 13501-1	CSI Spa
Density (p)	60 Kgr/m³, ±10 Kgr/m³	EN 13467 & EN 1602	self monitoring
Closed Cells	98.5%		
Thickness (Tolerances)	**Coil, Pipes, Slit & Seal:** 6, 9 & 13mm: ±1% 19mm: ±2% 25, 30, 40 & 50mm: ±2%	PrEN 13467	self monitoring
	System, Sheets, Rolls: 6mm: ±1mm 10, 13 & 19mm: ±1.5 mm 25, 32, 40 & 50mm: ±2 mm	EN 823	self monitoring
	Overlap Slit & Seal: 120μm: ±1.5 μm	DIN 53370	self monitoring
Diameter Tolerance	**Coil, Pipes, Slit & Seal:** Ø6 - Ø54: +1mm to +2mm Ø60 - Ø76: +1mm to +3mm Ø88 - Ø139: +1mm to +4mm	PrEN 13467	self monitoring
	System, Sheets, Rolls: Length: ±1.5% Width: ±2%	EN 822	self monitoring
Dimensional Stability	1.5 - 3%	EN 1604	self monitoring
Fungi Resistance	Passed	ASTM G21	Quality Labs
Bacterial Resistance	Passed	ASTM E2180	Quality Labs
Tensile Strength (Pa)	>0.15 Mpa	EN ISO 1798	self monitoring
Elongation at Break	>150%	EN ISO 1798	self monitoring
Corrosion Resistance	Water soluble ions in accordance	EN 13468	ITC
Weather Resistance	Good		
Oil & Grease Resistance	Very good	ASTM D 471	self monitoring
Noise Reduction	Up to 30dB	DIN 4109	
CFC, HFC, HCFC	Free		
Odor	Neutral		
Adhesion for Slit & Seal	**Overlap:** 6 N/cm	NF EN 1464, ISO 4578 IOP 041	
	Self adhesive stripe: 6 N/cm	FINAT NO 9 - IOP 043	
Static Temperature Resistance Slit & Seal	100°C continuous		

The mentioned values are these which have been measured in our laboratory, under typical conditions.
They can be modified without prior notice. You are kindly requested to assert their validity before any special use.

ISOPIPE® TC

Pipes



Nominal Pipe Diameter				Internal Diameter	Nominal Wall Thickness mm							
Fe	Cu		PP	-	6mm - 1/4"		9mm - 3/8"		13mm - 1/2"		19mm - 3/4"	
Inch	mm	Inch	-	min - max	Code	m/Crt	Code	m/Crt	Code	m/Crt	Code	m/Crt
-	Ø 6	1/4"	-	7,0 - 8,0	6x6	432	9x6	280	13x6	160	19x6	88
-	Ø 10	3/8"	-	11,0 - 12,0	6x10	300	9x10	228	13x10	142	19x10	82
-	Ø 12	1/2"	-	13,0 - 14,0	6x12	274	9x12	200	13x12	126	19x12	76
1/4"	Ø 15	5/8"	-	16,0 - 17,0	**6x15**	**230**	**9x15**	**152**	**13x15**	**110**	**19x15**	**62**
3/8"	Ø 18	3/4"	-	19,0 - 20,0	6x18	190	9x18	142	13x18	98	19x18	58
-	-	-	Ø 20	21,0 - 22,0			9x20*	116	13x20*	88		
1/2"	Ø 22	7/8"	-	23,0 - 24,0	**6x22**	**160**	**9x22**	**116**	**13x22**	**78**	**19x22**	**52**
-	Ø 25	1"	Ø 25	26,0 - 27,0	**6x25***	**130**	**9x25***	**92**	**13x25***	**70**	**19x25***	**46**
3/4"	Ø 28	1 1/8"	-	29,0 - 30,0	**6x28**	**120**	**9x28**	**86**	**13x28**	**66**	**19x28**	**44**
-	Ø 32	1 1/4"	Ø32	33,0 - 34,0			9x32	70	13x32	54	19x32	40
1"	Ø 35	1 3/8"	-	36,0 - 37,0	**6x35**	**108**	**9x35**	**70**	**13x35**	**52**	**19x35**	**30**
1 1/4"	Ø 42	1 5/8"	Ø 40	43,0 - 44,0			9x42	60	13x42	48	19x42	30
1 1/2"	Ø 48	1 7/8"	-	49,0 - 50,0			**9x48**	**56**	**13x48**	**42**	**19x48**	**26**
-	Ø 54	2 1/8"	Ø 50	55,0 - 56,0			**9x54**	**46**	**13x54**	**34**	**19x54**	**24**
2"	Ø 60	2 3/8"	-	61,0 - 62,0			9x60	42	13x60	30	19x60	22
-	Ø 64	2 1/2"	Ø 63	65,0 - 66,0			**9x64**	**40**	**13x64**	**28**	**19x64**	**18**
2 1/2"	Ø 76	3"	Ø 75	77,0 - 79,0			9x76	34	13x76	24	19x76	18
3"	Ø 89	3 9/16"	Ø 90	90,0 - 92,0			9x88	30	13x88	22	19x88	14
3 1/2"	Ø 108	4 1/4"	Ø 110	110,0 - 112,0			9x108*	24	13x108*	20	19x108*	12
4"	**Ø 114**	**4 9/16"**	**-**	**116,0 - 118,0**			**9x114***	**24**	**13x114***	**20**	**19x114***	**12**
-	Ø 125	5"	-	127,0 - 129,0							19x125*	12
5"	Ø 139	5 1/2"	-	141,0 - 143,0							19x139*	8
Thickness Tolerance					**± 1.0 mm**		**± 1.5 mm**		**± 1.5 mm**		**± 2.0 mm**	

Other dimensions and thicknesses available upon request.
Standard length for ISOPIPE TC is 2 m (± 1,5 %). Up to 5% of total carton content may be in 1 meter length.
Standard carton size is 210 x 41 x 27 cm.
Dimensions marked with * are available upon request.
Meters per box can be amended without notification.

ISOPIPE® TC

Pipes



Nominal Pipe Diameter				Internal Diameter	Nominal Wall Thickness mm							
Fe	Cu		PP	-	25mm - 1"		32mm - 1 1/4"		40mm - 1 9/16"		50mm - 2"	
Inch	mm	Inch	-	min - max	Code	m/Crt	Code	m/Crt	Code	m/Crt	Code	m/Crt
-	Ø 10	3/8"	-	11,0 - 12,0	25x10	48						
-	Ø 12	-	-	13,0 - 14,0	25x12	46						
1/4"	**Ø 15**	**5/8"**	**-**	**16,0 - 17,0**	**25x15**	**44**	**32x15**	**30**				
3/8"	Ø 18	3/4"	-	19,0 - 20,0	25x18	40	32x18	30				
1/2"	**Ø 22**	**7/8"**	**-**	**23,0 - 24,0**	**25x22**	**30**	**32x22**	**28**				
-	**Ø 25**	**1"**	**Ø 25**	**26,0 - 27,0**	**25x25***	**30**	**32x25***	**26**				
3/4"	**Ø 28**	**1 1/8"**	**-**	**29,0 - 30,0**	**25x28**	**30**	**32x28**	**24**	**40x28**	**12**	**50x28***	**8**
-	Ø 32	1 1/4"	Ø32	33,0 - 34,0	25x32*	28	32x32	24				
1"	**Ø 35**	**1 3/8"**	**-**	**36,0 - 37,0**	**25x35**	**24**	**32x35**	**22**	**40x35**	**12**	**50x35***	**8**
1 1/4"	Ø 42	1 5/8"	Ø 40	43,0 - 44,0	25x42	22	32x42	16	40x42	12	50x42*	6
1 1/2"	**Ø 48**	**1 7/8"**	**-**	**49,0 - 50,0**	**25x48**	**18**	**32x48**	**16**	**40x48**	**10**	**50x48***	**6**
-	**Ø 54**	**2 1/8"**	**Ø 50**	**55,0 - 56,0**	**25x54**	**18**	**32x54**	**16**	**40x54**	**8**	**50x54**	**4**
2"	Ø 60	2 3/8"	-	61,0 - 62,0	25x60	18	32x60	12	40x60	8	50x60*	4
-	**Ø 64**	**2 1/2"**	**Ø 63**	**65,0 - 66,0**	**25x64**	**16**	**32x64**	**12**	**40x64***	**8**	**50x64**	**4**
2 1/2"	Ø 76	3"	Ø 75	77,0 - 79,0	25x76	12	32x76	10	40x76	6	50x76	4
3"	Ø 89	3 9/16"	Ø 90	90,0 - 92,0	25x88	12	32x88	10	40x88	4	50x88	4
3 1/2"	Ø 108	4 1/4"	Ø 110	110,0 - 112,0			32x108*	8	40x108*	4		
4"	**Ø 114**	**4 9/16"**	**-**	**116,0 - 118,0**	**25x114***	**8**	**32x114***	**8**	**40x114***	**4**		
5"	Ø 139	5 1/2"	-	141,0 - 143,0	25x139*	6	32x139*	6	40x139*	4		
Thickness Tolerance					**± 2.5 mm**		**± 2.5 mm**		**± 2.5 mm**		**± 2.5 mm**	

Other dimensions and thicknesses available upon request.
Standard length for ISOPIPE TC is 2 m (± 1,5 %). Up to 5% of total carton content may be in 1 meter length.
Standard carton size is 210 x 41 x 27 cm.
Dimensions marked with * are available upon request.
Meters per box can be amended without notification.

ISOCOIL® TC

All the benefits of ISOPIPE TC Pipes, now its delivered in a continuous length up to 76 meters.

> **A specially designed practical solution for technicians and installers!**



Available in Insulation of: ISOPIPE TC (+110ºC).

ISOCOIL Applications

- It addresses the need for economical and effective insulation for internal and external applications.
- It is ideal for pipe systems operating in:



- **Dual-temperature systems (hot or cold pipelines)**
- **Air Conditioning**
- **Refrigeration**
- **Central Heating and Plumbing**

All boxes one price

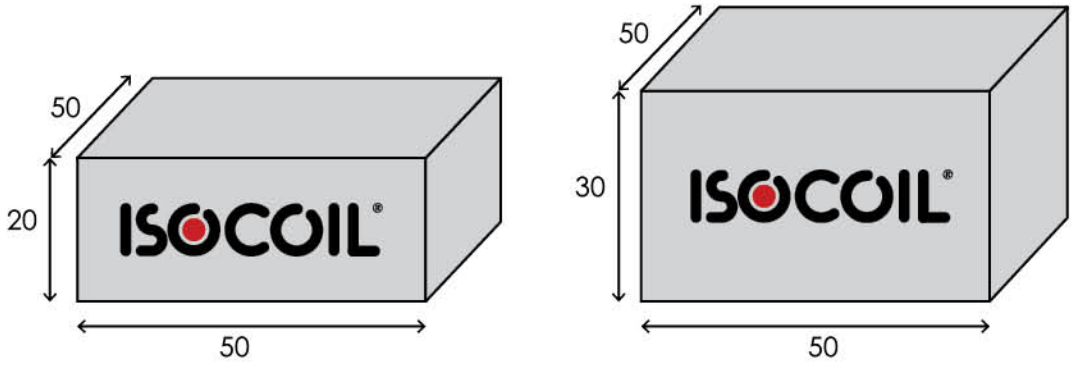
ISOCOIL Benefits

No scrap produced! Cut only the material needed and store the rest.

Less glue applied! No need to cut and join short pieces.

Less labour time consumed due to easier installation process.

More conveniently carried, due to the lightweight package!



Available in two size boxes at the same price. Ruler on each box.

Nominal Pipe Diameter			Internal Diameter		Nominal Wall Thickness mm					
Fe	Cu		-		6mm - 1/4''		9mm - 3/8''		13mm - 1/2''	
Inch	mm	Inch	min	max	Code	m	Code	m	Code	m
-	Ø 6	1/4"	7.0	8.5	**6x6#***	76	**9x6#***	50		
-	Ø 10	3/8"	11.0	12.5	**6x10#***	67	**9x10#***	44	**13x10***	27
-	Ø 12	1/2"	13.0	14.5	**6x12#***	63	**9x12***	41	**13x12***	25
1/4"	Ø 15	5/8"	16.0	17.5	**6x15***	57	**9x15**	37	**13x15***	23
3/8"	Ø 18	3/4"	19.0	20.5	**6x18***	52	**9x18**	35	**13x18***	21
1/2"	Ø 22	7/8"	23.0	24.0	**6x22***	46	**9x22**	31	**13x22***	19
3/4"	Ø 28	1 1/8"	29.0	30.0	**6x28***	40	**9x28***	27	**13x28***	16
Thickness Tolerance					**± 1.0 mm**		**± 1.5 mm**		**± 1.5 mm**	

Other dimensions and thicknesses available upon request.
Continuous length tolerance is ± 1.5 %.
Carton size (#) is 50x50x20 cm.
Rest cartons are 50x50x30 cm.
Dimensions marked with * are available upon request.
Meters per box can be amended without notification.

ISOCOIL® TC 15m

CE

ISOCOIL is NOW available in 15 meters length



> Handy and easy to store for future use, in a practical bundle carton

Available in Insulation of: ISOPIPE TC (+110°C).

ISOCOIL 15m Applications

- It addresses the need for economical and effective insulation for internal and external applications.
- It is ideal for pipe systems operating in:



- **Dual-temperature systems (hot or cold pipelines)**
- **Air Conditioning**
- **Refrigeration**
- **Central Heating and Plumbing**

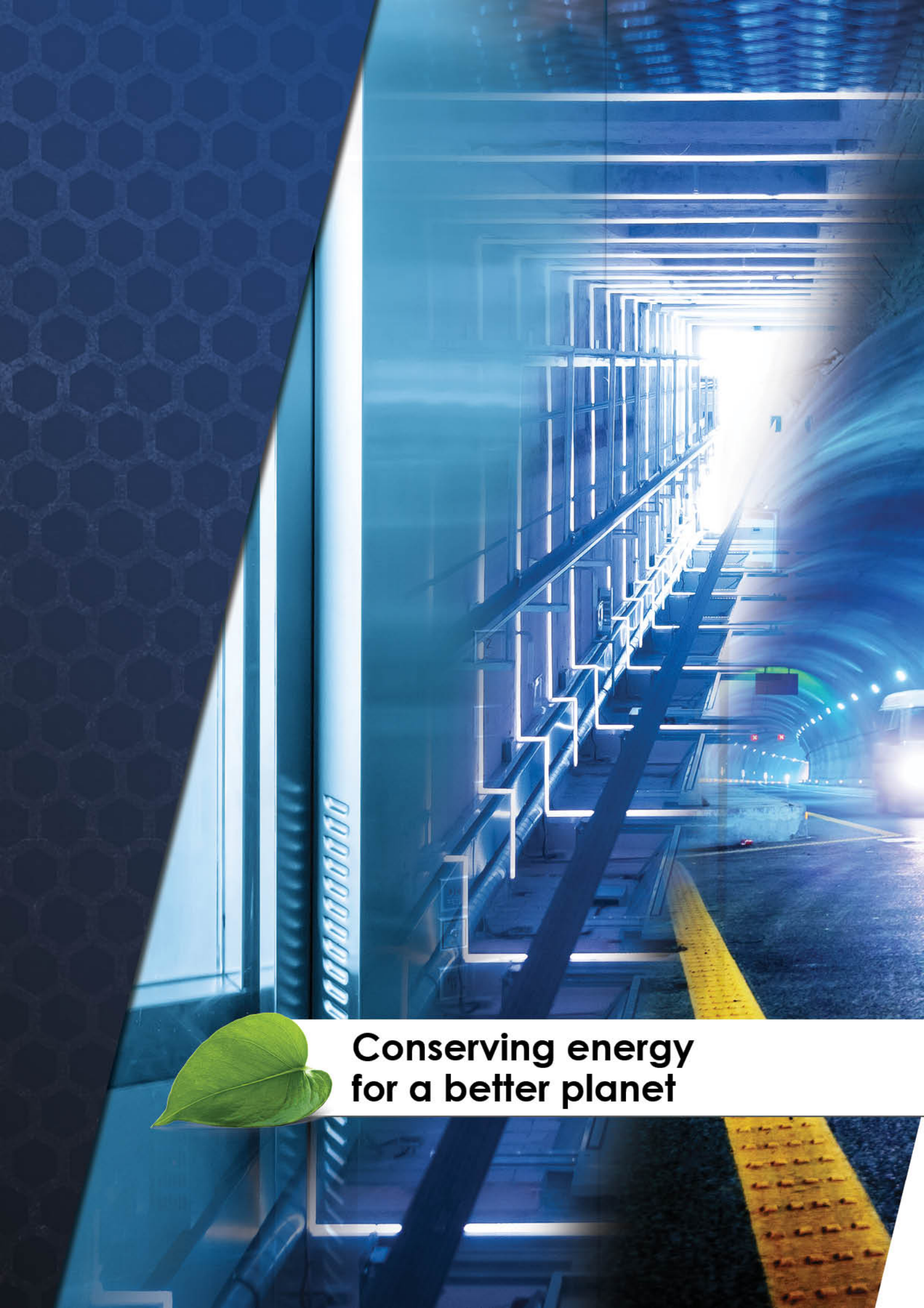
ISOCOIL 15m Benefits

- **ISOCOIL 15 meters** has all the benefits of **ISOCOIL** and comes with **a practical bundle carton**.
- All 15 meters Coils are packaged in a bag and then in a box keeping the product safe for use.
- **ISOCOIL 15** meters is handy and very useful, since there is no product waste and it is **very easy to store for future use**. This is because, every single bag and carton have their own label for easier tracking.



Nominal Pipe Diameter			Internal Diameter		Nominal Wall Thickness mm			
Fe	Cu		-		9mm - 3/8''		13mm - 1/2''	
Inch	mm	Inch	min	max	Code	Coil/ Ctr	Code	Coil/ Ctr
-	Ø 6	1/4"	7.0	8.5	**9x6**	12	**13x6**	9
-	Ø 10	3/8"	11.0	12.5	**9x10**	10	**13x10**	7
-	Ø 12	1/2"	13.0	14.5	**9x12**	9	**13x12**	6
1/4"	Ø 15	5/8"	16.0	17.5	**9x15**	9	**13x15**	6
3/8"	Ø 18	3/4"	19.0	20.5	**9x18**	8	**13x18**	6
-	-	-	21.0	22.0	**9x20**	7	**13x20**	6
1/2"	Ø 22	7/8"	23.0	24.0	**9x22**	6	**13x22**	5
3/4"	Ø 28	1 1/8"	29.0	30.0	**9x28**	5	**13x28**	4
Thickness Tolerance					**± 1.5 mm**		**± 1.5 mm**	

Other dimensions and thicknesses available upon request.
Continuous length tolerance is ± 2 %.
Carton size is 110x55x55 cm.
Dimensions marked with * are available upon request.
Meters per box can be amended without notification.



Conserving energy for a better planet

ISOPIPE® TR

Flexible Elastomeric Foam Insulation (FEF)



μ ≥10,000

-50°C ⋮ +110°C

98,5% Closed Cells

B-s2,d0

Nitrile Butadiene Rubber NBR

ANTIBACTERIAL

Less smoke
Higher performance

Unique Applications

Tunnels



Enclosed Spaces



Elevators

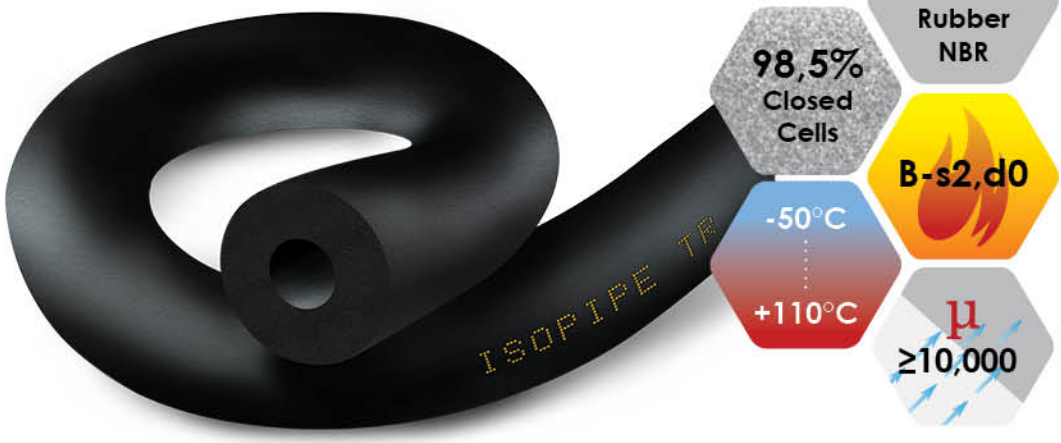


ISOPIPE® TR

Description & Benefits

ISOPIPE TR - is an **NBR** based flexible elastomeric foam insulation designed for buildings' insulation and refrigeration systems. Its special formula provides **limited smoke propagation**, in case of fire and high vapour diffusion resistance, as well as high performance and protection against energy loss.

Suitable for enclosed spaces such as elevators, tunnels, offices and factory premises.



- **ISOPIPE TR has high flame retardancy and low smoke generation.**
- Thanks to its closed cell stucture, **ISOPIPE TR** has **excellent insulation properties**.
- **ISOPIPE TR** has **outstanding thermal performance** and **condensation resistance** due to the high percentage, 98.5%, of closed cells.
- **ISOPIPE TR** insulation systems are manufactured with all due **respect** for the **human health** and the **environment**.
- **ISOPIPE TR** is **certified** for Anti-Microbial and Fungal Protection according to ASTM E2180 and ASTM G21.
- As an NBR based product, **ISOPIPE TR** insulation, provides great **oil** and **grease resistance**.
- **Short lead time due to our high flexibility of production.**
- The outstanding performance of **ISOPIPE TR** material is guaranteed through **continuous supervision** and **factory tests**.



ISOPIPE® TR

Product Characteristics

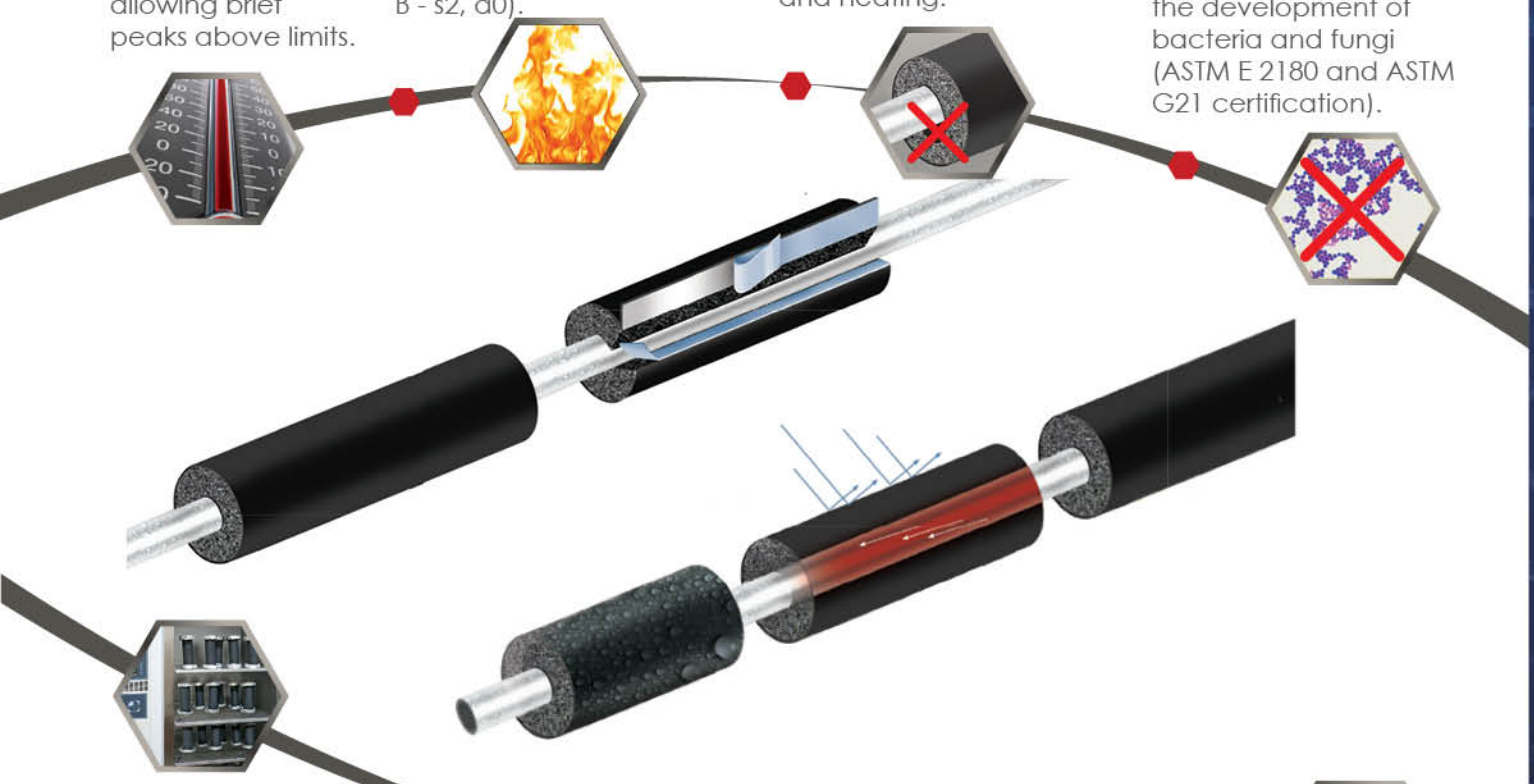
Material: Closed - cell synthetic rubber elastomeric foam.

Temperature Range
Extensive range (-50°C to +110°C) allowing brief peaks above limits.

Fire Performance
Upgraded fire performance with reduced smoke density, ideal for residential and public buldings.
(E84 Class A, EN 13501, B - s2, d0).

Proper Fit
With exemplary tolerances, secures proper fit ensuring more savings for refrigeration, cooling and heating.

Antimicrobial Protection
An advanced composition preventing the development of bacteria and fungi (ASTM E 2180 and ASTM G21 certification).



Permeability
Very high resistance to water vapour transmission, ensuring long - term performance and effectiveness of the insulation.
(μ ≥ 10000)

Thermal Conductivity
Superior quality closed-cell elastomeric material, designed to reduce thermal losses.
λ = 0.031W/mK at -20°C
λ = 0.033W/mK at 0°C
λ = 0.035W/mK at +20°C
λ = 0.036W/mK at +30°C

Density
Produced with optimum density for effective reduction of thermal losses.
60 kgr/m³, ±10 kgr/m³

Flexibility
Exceptional elasticity and endurance for time-saving applications and effective insulation.

A wide range of Applications

Heating | Plumbing | Air Conditioning | Refrigeration | Solar Energy

ISOPIPE® TR

Product Range

Pipes



- Available in thickness of: 9, 13, 19, 25, 32, 40, 50 mm and pipe diameters up to 139 mm.
- Pipe's standard length is 2 meters and 1 meter.
- Available in: **ISOPIPE TR** (see pages 40-41)

Sheets



- Available in thickness of: 6, 10, 13, 19, 25, 32, 40, 50 mm.
- Pre-cut in 1 meter length and 1 meter width.
- Available in: **ISOSHEETS TR (with or without self-adhesive)** (see page 76)

System



- A custom-width sheet to accurately cover large pipes of any diameter, **cut in angle** to ensure proper fit and better edge bonding.
- Available in thickness of: 13, 19, 25, 32, 40 mm and pipe diameter from 114 mm up to the desired diameter.
- Packaged in 1 meter length.
- Available in: **ISOSYSTEM TR** (see page 82)

Slit & Seal



- **Pre slit pipe with self-adhesive tape and self-adhesive overlap.** Significantly reduces application and installation time and labor costs. Perfect for already existing pipe systems.
- Available in pipe form with thickness of: 9, 13, 19, 25 mm and pipe diameters up to 114 mm.
- Pipe's standard length is 2 meters and 1 meter.
- Available in: **ISOPIPE TR** (see pages 72)

Rolls



- Available in thickness of: 6, 10, 13, 19, 25, 32, 40, 50 mm.
- Available in width of 1.00 m and length up to 30 meters.
- Available in: **ISOROLLS TR (with or without self-adhesive)** (see page 76)

Mechanical & Thermal Properties

Properties	Technical Data	TEST Methods	Lab/ TEST Reports
Thermal Conductivity (λ)	-20ºC - 0.031 W/mk	EN 12667	Danish Technological Institute
	0ºC - 0.033 W/mk		
	20ºC - 0.035 W/mk		
	30ºC - 0.036 W/mk		
Permeability (μ)	≥10,000	EN 13469, EN 12086	self monitoring
Operating Temperatures (ºC)	-50ºC to +110ºC (+85ºC If System, Sheets, Rolls are glued to the object with its whole surface)	EN 14707 EN 14706	MPANRW
Fire Rating (FR)	**Coil, Pipes, Slit & Seal:** B-S2, d0 Class 0, Class 1 Class A or Class 1 B_L -s2, d0 Low Flame Spread	EN 13501-1 BS 476 p.6 & p.7 UNI 8457 ASTM E 84 IMO RES.MSC 61 (67) FTP code, annex 1, part 5	CSI Spa Warrington Fire Research Warrington Fire Research Siemens Axiva supervised by Bureau Veritas MARINE Division Bureau Veritas MARINE Division, LAPI, TUV Nordi Baltic Ltd, TNO. Swedcert
	System, Sheets, Rolls: B-S3, d0	EN 13501-1	CSI Spa
Density (p)	60 Kgr/m³, ±10 Kgr/m³	EN 13467 & EN 1602	self monitoring
Closed Cells	98.5%		
Thickness (Tolerances)	**Coil, Pipes, Slit & Seal:** 6, 9 & 13mm: ±1% 19mm: ±2% 25, 30, 40 & 50mm: ±2%	PrEN 13467	self monitoring
	System, Sheets, Rolls: 6mm: ±1mm 10, 13 & 19mm: ±1.5 mm 25, 32, 40 & 50mm: ±2 mm	EN 823	self monitoring
	Overlap Slit & Seal: 120μm: ±1.5 μm	DIN 53370	self monitoring
Diameter Tolerance	**Coil, Pipes, Slit & Seal:** Ø6 - Ø54: +1mm to +2mm Ø60 - Ø76: +1mm to +3mm Ø88 - Ø139: +1mm to +4mm	PrEN 13467	self monitoring
	System, Sheets, Rolls: Length: ±1.5% Width: ±2%	EN 822	self monitoring
Dimensional Stability	1.5 - 3%	EN 1604	self monitoring
Fungi Resistance	Passed	ASTM G21	Quality Labs
Bacterial Resistance	Passed	ASTM E2180	Quality Labs
Tensile Strength (Pa)	>0.15 Mpa	EN ISO 1798	self monitoring
Elongation at Break	>150%	EN ISO 1798	self monitoring
Corrosion Resistance	Water soluble ions in accordance	EN 13468	ITC
Weather Resistance	Good		
Oil & Grease Resistance	Very good	ASTM D 471	self monitoring
Noise Reduction	Up to 30dB	DIN 4109	
CFC, HFC, HCFC	Free		
Odor	Neutral		
Adhesion for Slit & Seal	**Overlap:** 6 N/cm	NF EN 1464, ISO 4578 IOP 041	
	Self adhesive stripe: 6 N/cm	FINAT NO 9 - IOP 043	
Static Temperature Resistance Slit & Seal	100ºC continuous		

The mentioned values are these which have been measured in our laboratory, under typical conditions.
They can be modified without prior notice. You are kindly requested to assert their validity before any special use.

ISOPIPE® TR

Pipes



Nominal Pipe Diameter				Internal Diameter	Nominal Wall Thickness mm					
Fe	Cu		PP	-	9mm - 3/8"		13mm - 1/2"		19mm - 3/4"	
Inch	mm	Inch	-	min - max	Code	m/Crt	Code	m/Crt	Code	m/Crt
-	Ø 6	1/4"	-	7,0 - 8,0	9x6	280	13x6	160	19x6	88
-	Ø 10	3/8"	-	11,0 - 12,0	9x10	228	13x10	142	19x10	82
-	Ø 12	1/2"	-	13,0 - 14,0	9x12	200	13x12	126	19x12	76
1/4"	Ø 15	5/8"	-	16,0 - 17,0	**9x15**	**152**	**13x15**	**110**	**19x15**	**62**
3/8"	Ø 18	3/4"	-	19,0 - 20,0	9x18	142	13x18	98	19x18	58
-	-	-	Ø 20	21,0 - 22,0	9x20	116	13x20*	88		
1/2"	Ø 22	7/8"	-	23,0 - 24,0	**9x22**	**116**	**13x22**	**78**	**19x22**	**52**
-	Ø 25	1"	Ø 25	26,0 - 27,0	**9x25**	**92**	**13x25**	**70**	**19x25**	**46**
3/4"	Ø 28	1 1/8"	-	29,0 - 30,0	**9x28**	**86**	**13x28**	**66**	**19x28**	**44**
-	Ø 32	1 1/4"	Ø32	33,0 - 34,0	9x32	70	13x32	54	19x32	40
1"	Ø 35	1 3/8"	-	36,0 - 37,0	**9x35**	**70**	**13x35**	**52**	**19x35**	**30**
1 1/4"	Ø 42	1 5/8"	Ø 40	43,0 - 44,0	9x42	60	13x42	48	19x42	30
1 1/2"	Ø 48	1 7/8"	-	49,0 - 50,0	**9x48**	**56**	**13x48**	**42**	**19x48**	**26**
-	Ø 54	2 1/8"	Ø 50	55,0 - 56,0	**9x54**	**46**	**13x54**	**34**	**19x54**	**24**
2"	Ø 60	2 3/8"	-	61,0 - 62,0	9x60	42	13x60	30	19x60	22
-	Ø 64	2 1/2"	Ø 63	65,0 - 66,0	**9x64**	**40**	**13x64**	**28**	**19x64**	**18**
2 1/2"	Ø 76	3"	Ø 75	77,0 - 79,0	9x76	34	13x76	24	19x76	18
3"	Ø 89	3 9/16"	Ø 90	90,0 - 92,0	9x88	30	13x88	22	19x88	14
3 1/2"	Ø 108	4 1/4"	Ø 110	110,0 - 112,0	9x108	24	13x108*	20	19x108	12
4"	**Ø 114**	**4 9/16"**	**-**	**116,0 - 118,0**	**9x114**	**24**	**13x114**	**20**	**19x114**	**12**
-	Ø 125	5"	-	127,0 - 129,0					19x125	12
5"	Ø 139	5 1/2"	-	141,0 - 143,0					19x139	8
	Thickness Tolerance				**± 1.5 mm**		**± 1.5 mm**		**± 2.0 mm**	

Other dimensions and thicknesses available upon request.
Standard length for ISOPIPE TR is 2 m (± 1,5 %). Up to 5% of total carton content may be in 1 meter length.
Standard carton size is 210 x 41 x 27 cm.
Dimensions marked with * are available upon request.
Meters per box can be amended without notification.

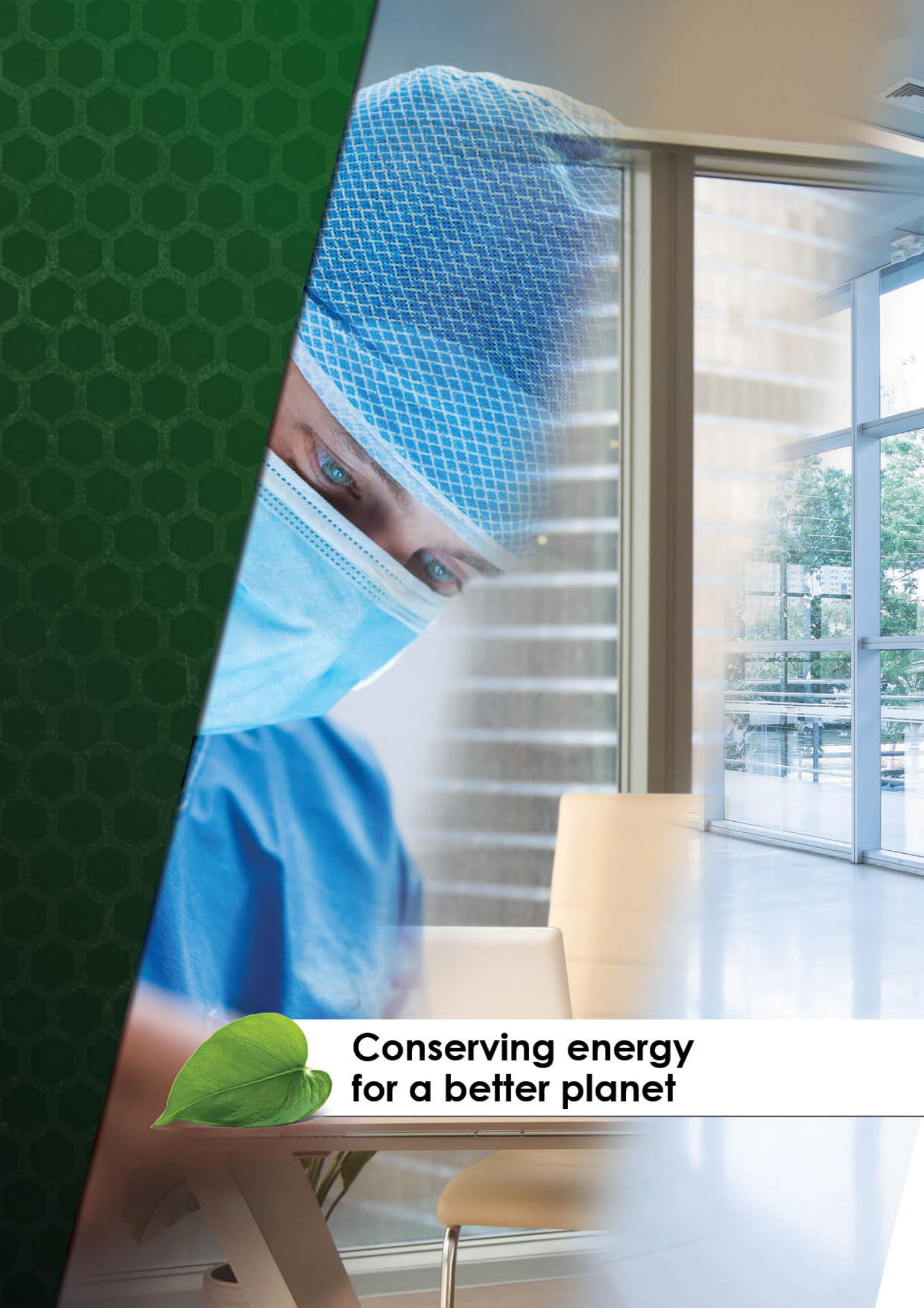
ISOPIPE® TR

Pipes



Nominal Pipe Diameter				Internal Diameter	Nominal Wall Thickness mm							
Fe	Cu		PP	-	25mm - 1"		32mm - 1 1/4"		40mm - 1 9/16"		50mm - 2"	
Inch	mm	Inch	-	min - max	Code	m/Crt	Code	m/Crt	Code	m/Crt	Code	m/Crt
-	Ø 10	3/8"	-	11,0 - 12,0	25x10	48						
-	Ø 12	-	-	13,0 - 14,0	25x12	46						
1/4"	**Ø 15**	**5/8"**	**-**	**16,0 - 17,0**	**25x15**	**44**	**32x15***	**30**				
3/8"	Ø 18	3/4"	-	19,0 - 20,0	25x18	40	32x18*	30				
1/2"	**Ø 22**	**7/8"**	**-**	**23,0 - 24,0**	**25x22**	**30**	**32x22***	**28**				
-	**Ø 25**	**1"**	**Ø 25**	**26,0 - 27,0**	**25x25**	**30**	**32x25***	**26**				
3/4"	**Ø 28**	**1 1/8"**	**-**	**29,0 - 30,0**	**25x28**	**30**	**32x28***	**24**	**40x28***	**12**	**50x28***	**8**
-	Ø 32	1 1/4"	Ø32	33,0 - 34,0	25x32*	28	32x32*	24				
1"	**Ø 35**	**1 3/8"**	**-**	**36,0 - 37,0**	**25x35**	**24**	**32x35***	**22**	**40x35***	**12**	**50x35***	**8**
1 1/4"	Ø 42	1 5/8"	Ø 40	43,0 - 44,0	25x42	22	32x42*	16	40x42*	12	50x42*	6
1 1/2"	**Ø 48**	**1 7/8"**	**-**	**49,0 - 50,0**	**25x48**	**18**	**32x48***	**16**	**40x48***	**10**	**50x48***	**6**
-	**Ø 54**	**2 1/8"**	**Ø 50**	**55,0 - 56,0**	**25x54**	**18**	**32x54***	**16**	**40x54***	**8**	**50x54***	**4**
2"	Ø 60	2 3/8"	-	61,0 - 62,0	25x60	18	32x60*	12	40x60*	8	50x60*	4
-	**Ø 64**	**2 1/2"**	**Ø 63**	**65,0 - 66,0**	**25x64**	**16**	**32x64***	**12**	**40x64***	**8**	**50x64***	**4**
2 1/2"	Ø 76	3"	Ø 75	77,0 - 79,0	25x76	12	32x76*	10	40x76*	6	50x76*	4
3"	Ø 89	3 9/16"	Ø 90	90,0 - 92,0	25x88	12	32x88*	10	40x88*	4	50x88*	4
3 1/2"	Ø 108	4 1/4"	Ø 110	110,0 - 112,0			32x108*	8	40x108*	4		
4"	**Ø 114**	**4 9/16"**	**-**	**116,0 - 118,0**	**25x114**	**8**	**32x114***	**8**	**40x114***	**4**		
5"	Ø 139	5 1/2"	-	141,0 - 143,0	25x139	6	32x139*	6	40x139*	4		
Thickness Tolerance					**± 2.5 mm**		**± 2.5 mm**		**± 2.5 mm**		**± 2.5 mm**	

Other dimensions and thicknesses available upon request.
Standard length for ISOPIPE TR is 2 m (± 1,5 %). Up to 5% of total carton content may be in 1 meter length.
Standard carton size is 210 x 41 x 27 cm.
Dimensions marked with * are available upon request.
Meters per box can be amended without notification.



Conserving energy for a better planet

ISOPIPE® HT-HF

Flexible Elastomeric Foam Insulation (FEF)



-50°C
+175°C

EN 13501
Class E

Ethylene
Propylene
Diene
Monomer
EPDM

HALOGEN FREE

Ecological halogen-free solution for higher temperatures

Unique Applications

Hospitals



Chemical and Pharmaceutical



Trains

Schools

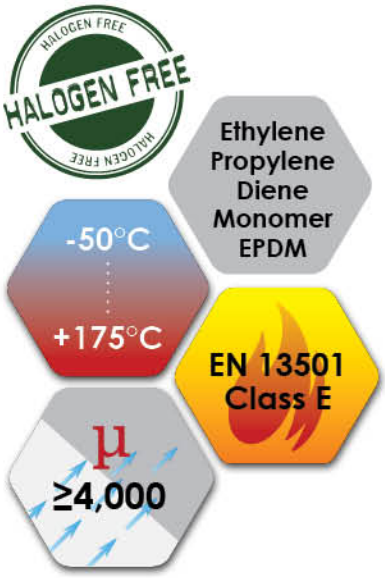


ISOPIPE® HT-HF

Description & Benefits

ISOPIPE HT-HF is an **EPDM** based closed cell synthetic rubber elastomeric foam for temperatures up to **+175°C**.
ISOPIPE HT-HF is the halogen-free environmental solution for high temperature applications.





- **ISOPIPE HT-HF** is **free** from **halogen** based flame retardants.
- **ISOPIPE HT-HF** is **CFC** and **HCFC free** and has **zero ozone depletion potential**.
- **ISOPIPE HT-HF** has **excellent thermal conductivity**.
- **ISOPIPE HT-HF works well and lasts long** without decaying in the environment.
- **ISOPIPE HT-HF is highly versatile**, as it can be applied successfully in many installations.
- The outstanding performance of the **ISOPIPE HT-HF** material is guaranteed through **continuous supervision** and **factory tests.**

ISOPIPE HT-HF is without:





> **“Environmental sustainability is not an option but a necessity”**

ISOPIPE® HT-HF

Product Characteristics

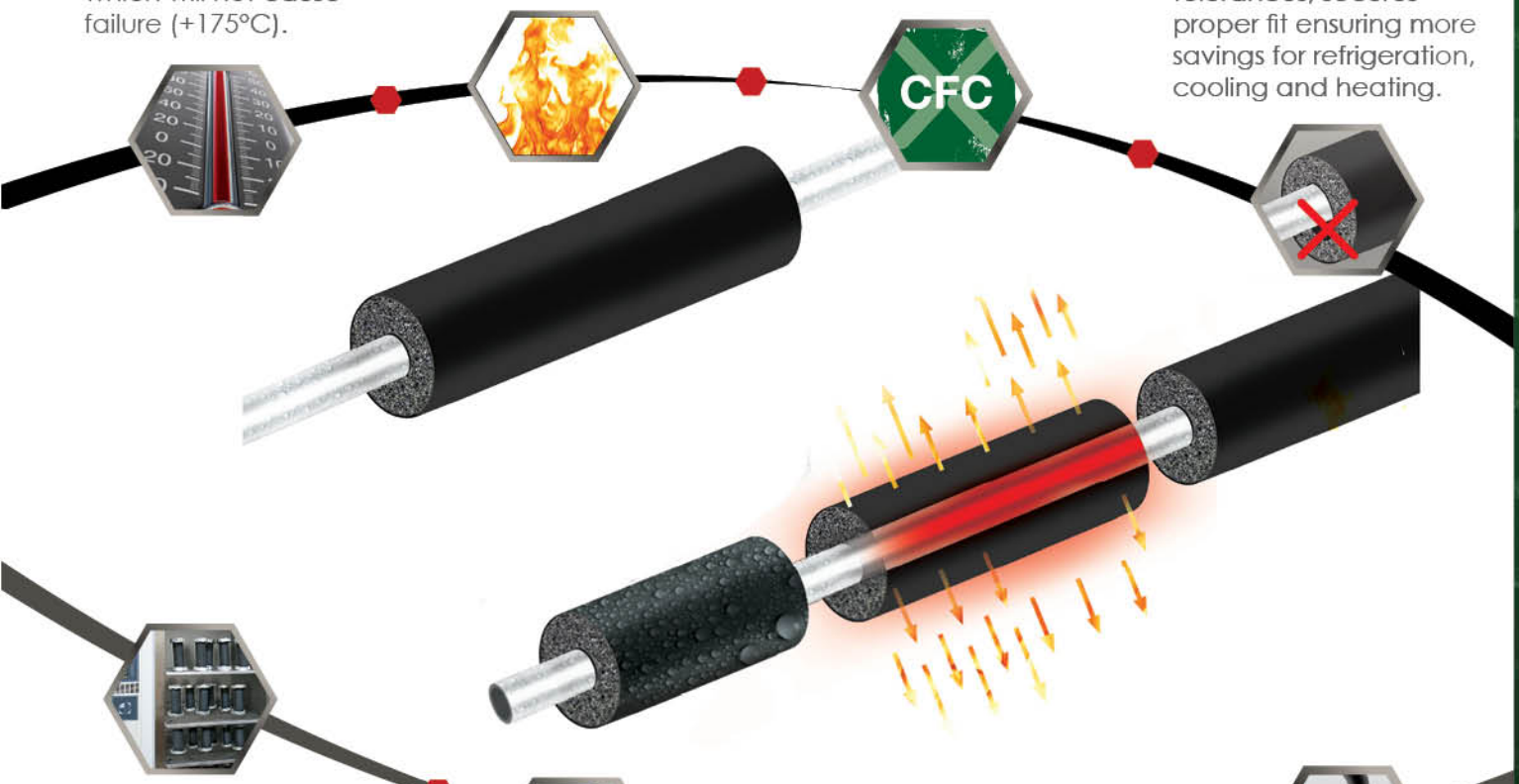
Material: Closed - cell synthetic rubber elastomeric foam.

Temperature Range
Extensive range (-50°C to +150°C) allowing brief peaks above limits, which will not cause failure (+175°C).

Fire Performance
Ideal for residential and public buildings as it will not spread flames or drip flaming particles (EN 13501 Class E).

Zero Ozone Depletion Potential
Does not release any CFC's or Halogens into the atmosphere in case of fire.

Proper Fit
With exemplary tolerances, secures proper fit ensuring more savings for refrigeration, cooling and heating.



Permeability
Very high resistance to water vapour transmission, ensuring long - term performance and effectiveness of the insulation.
(μ ≥ 4000)

Thermal Conductivity
Superior quality closed-cell elastomeric material, designed to reduce thermal losses.
λ = 0,040W/mK a +0°C
λ = 0,045W/mK a +40°C

Density
Produced with optimum density for effective reduction of thermal losses
70 kgr/m³, ±10 kgr/m³

Flexibility
Exceptional elasticity and endurance for time-saving applications and effective insulation, either for low temperature applications or for high temperature applications that exceed 150°C and temporarily up to 175°C.

A wide range of applications

Heating · Plumbing · Air Conditioning · Refregeration · Solar Energy · Steam

ISOPIPE® HT-HF

Product Range

Pipes



- Available in thickness of: 9, 13, 19, 25 mm and pipe diameters up to 88 mm.
- Pipe's standard length is 2 meters and 1 meter.
- Available in: **ISOPIPE HT-HF, ISOPIPE COVERINGS: SOLAR, UV PLUS & HEAVY DUTY (HD)** (see pages 48, 56, 63 & 69)

Sheets



- Available in thickness of: 6, 10, 13, 19, 25 mm.
- Pre-cut in 1 meter length and 1 meter width.
- Available in: **ISOSHEETS HT-HF, ISOSHEETS COVERINGS: SOLAR, UV PLUS & HEAVY DUTY (HD) (with or without self-adhesive)** (see pages 77-79)

System



- A custom-width sheet to accurately cover large pipes of any diameter, **cut in angle** to ensure proper fit and better edge bonding.
- Available in thickness of: 13, 19, 25 mm and pipe diameter from 114 mm up to the desired diameter.
- Packaged in 1 meter length.
- Available in: **ISOSYSTEM HT-HF, ISOSYSTEM COVERINGS: SOLAR & UV PLUS** (see page 83-85)

Slit & Seal



- **Pre slit pipe with self-adhesive tape and self-adhesive overlap.** Significantly reduces application and installation time and labour costs. Perfect for already existing pipe systems.
- Available in pipe form with thickness of: 9, 13, 19, 25 mm and pipe diameters up to 88 mm.
- Pipe's standard length is 2 meters and 1 meter.
- Available in: **ISOPIPE HT-HF, SOLAR COVERING** (see pages 72-73)

Rolls



- Available in thickness of: 10, 13, 19, 25 mm.
- Available in width of 1.00 m and length up to 20 meters.
- Available in: **ISOROLLS HT-HF, ISOROLLS COVERINGS: SOLAR, UV PLUS & HEAVY DUTY (HD) (with or without self-adhesive)** (see pages 77-79)



ISOPIPE® HT-HF

Mechanical & Thermal Properties

Properties	Technical Data	TEST Methods	Lab/ TEST Reports
Thermal Conductivity (λ)	0°C - 0.040 W/mk 40°C - 0.045 W/mk	EN ISO 8497	Fraunhofer IBP
Permeability (μ)	≥4000	EN 13469, EN 12086	self monitoring
Operating Temperatures (°C)	-50°C to +150°C (+175°C) (+85°C If System, Sheets, Rolls are glued to the object with its whole surface)	EN 14706 EN 14707	PAVUS
Fire Rating (FR)	Euroclass E	EN ISO 11925-2	PAVUS
Density (p)	60 - 75 Kgr/m³	EN 13470 & EN 1602	self monitoring
Thickness (Tolerances)	**Pipes:** d ≤ 8mm ±1mm 8mm < d ≤ 18mm ±1.5mm d > 31mm ±3mm **System, Sheets, Rolls:** d ≤ 6mm ±1mm 6mm < d ≤ 19mm ±1.5mm d > 19mm ±2mm	PrEN 13467	self monitoring
Diameter Tolerance	**Pipes, System:** Ø6 - Ø54: +1mm to +2mm Ø60 - Ø88: +1mm to +3mm	PrEN 13467	self monitoring
Dimensional Stability	1.5 - 3%	PrEN 14304, EN 1604	
Weather Resistance	Good		
Oil & Grease Resistance	Very good	ASTM D 471	
UV Resistance	Very good	ISO 4892-2	MIRTEC
Noise Reduction	Up to 30dB	DIN 4109	
Halogen	Free	DIN VDE 0472 - section 815	MPA
PVC-ODP zero	Free		
CFC, HFC, HCFC	Free		
Odor	Neutral		

The mentioned values are these which have been measured in our laboratory, under typical conditions.
They can be modified without prior notice. You are kindly requested to assert their validity before any special use.



ISOPIPE® HT-HF

Pipes



Nominal Pipe Diameter				Internal Diameter	Nominal Wall Thickness mm					
Fe	Cu		PP	-	9mm - 3/8"		13mm - 1/2"		19mm - 3/4"	
Inch	mm	Inch	-	min - max	Code	m/Crt	Code	m/Crt	Code	m/Crt
-	Ø 10	3/8"	-	11,0 - 12,0	9x10*	228	13x10*	142	19x10*	82
-	Ø 12	1/2"	-	13,0 - 14,0	9x12*	200	13x12*	126	19x12*	76
1/4"	**Ø 15**	**5/8"**	**-**	**16,0 - 17,0**	**9x15***	**152**	**13x15***	**110**	**19x15***	**62**
3/8"	Ø 18	3/4"	-	19,0 - 20,0	9x18*	142	13x18*	98	19x18*	58
1/2"	**Ø 22**	**7/8"**	**-**	**23,0 - 24,0**	**9x22***	**116**	**13x22***	**78**	**19x22***	**52**
3/4"	**Ø 28**	**1 1/8"**	**-**	**29,0 - 30,0**	**9x28***	**86**	**13x28***	**66**	**19x28***	**44**
-	Ø 32	1 1/4"	Ø32	33,0 - 34,0			13x32*	54		
1"	**Ø 35**	**1 3/8"**	**-**	**36,0 - 37,0**	**9x35***	**70**	**13x35***	**52**	**19x35***	**30**
1 1/4"	Ø 42	1 5/8"	Ø 40	43,0 - 44,0	9x42*	60	13x42*	48	19x42*	30
1 1/2"	**Ø 48**	**1 7/8"**	**-**	**49,0 - 50,0**	**9x48***	**56**	**13x48***	**42**	**19x48***	**26**
-	**Ø 54**	**2 1/8"**	**Ø 50**	**55,0 - 56,0**	**9x54***	**46**	**13x54***	**34**	**19x54***	**24**
2"	Ø 60	2 3/8"	-	61,0 - 62,0	9x60*	42	13x60*	30	19x60*	22
-	**Ø 64**	**2 1/2"**	**Ø 63**	**65,0 - 66,0**	**9x64***	**40**	**13x64***	**28**	**19x64***	**18**
2 1/2"	Ø 76	3"	Ø 75	77,0 - 79,0	9x76*	34	13x76*	24	19x76*	18
3"	Ø 89	3 9/16"	Ø 90	90,0 - 92,0	9x88*	30	13x88*	22	19x88*	14
Thickness Tolerance					**± 1.5 mm**		**± 1.5 mm**		**± 2.0 mm**	

Other dimensions and thicknesses available upon request.
Standard length for ISOPIPE HT-HF is 2 m (± 1,5 %). Up to 5% of total carton content may be in 1 meter length.
Standard carton size is 210 x 41 x 27 cm.
Dimensions marked with * are available upon request.
Meters per box can be amended without notification.

Pipes

Nominal Pipe Diameter				Internal Diameter	Nominal Wall Thickness mm	
Fe	Cu		PP	-	25mm - 1"	
Inch	mm	Inch		min - max	Code	m/Crt
1/4"	**Ø 15**	**5/8"**	**-**	**16,0 - 17,0**	**25x15***	**44**
3/8"	Ø 18	3/4"	-	19,0 - 20,0	25x18*	40
1/2"	**Ø 22**	**7/8"**	**-**	**23,0 - 24,0**	**25x22***	**30**
3/4"	**Ø 28**	**1 1/8"**	**-**	**29,0 - 30,0**	**25x28***	**30**
1"	**Ø 35**	**1 3/8"**	**-**	**36,0 - 37,0**	**25x35***	**24**
1 1/4"	Ø 42	1 5/8"	Ø 40	43,0 - 44,0	25x42*	22
1 1/2"	**Ø 48**	**1 7/8"**	**-**	**49,0 - 50,0**	**25x48***	**18**
-	**Ø 54**	**2 1/8"**	**Ø 50**	**55,0 - 56,0**	**25x54***	**18**
2"	Ø 60	2 3/8"	-	61,0 - 62,0	25x60*	18
-	**Ø 64**	**2 1/2"**	**Ø 63**	**65,0 - 66,0**	**25x64***	**16**
2 1/2"	Ø 76	3"	Ø 75	77,0 - 79,0	25x76*	12
3"	Ø 89	3 9/16"	Ø 90	90,0 - 92,0	25x88*	12
	Thickness Tolerance				**± 2.0 mm**	



Other dimensions and thicknesses available upon request.
Standard length for ISOPIPE HT-HF is 2 m (± 1,5 %). Up to 5% of total carton content may be in 1 meter length.
Standard carton size is 210 x 41 x 27 cm.
Dimensions marked with * are available upon request.
Meters per box can be amended without notification.



ISOPIPE®
COVERINGS



The Revolution in Insulation Protection!

SOLAR & SOLAR SG COVERING

External Protection Covering against Harsh Weather & UV Radiation

SOLAR COVERING is a special polymer external protection membrane, offering resistance to ultra violet radiation and other atmospheric agents.
Available in two types: SOLAR and SOLAR SG with corrugated surface.
Available in Insulation of: ISOPIPE TC (+110°C) or ISOPIPE HT-HF (+175°C).

Exterior Use



Benefits of SOLAR COVERING

- Protection against harsh weather and UV radiation.
- Oil and grease resistant.
- Protective film with high temperature resistance up to 80°C.
- **SOLAR Silver Covering** contains a small quantity of aluminum.
- No need to tape, paint or cover and easily cleaned with a standard cloth.
- Attractive appearance & professional result.

PATENTED

Properties

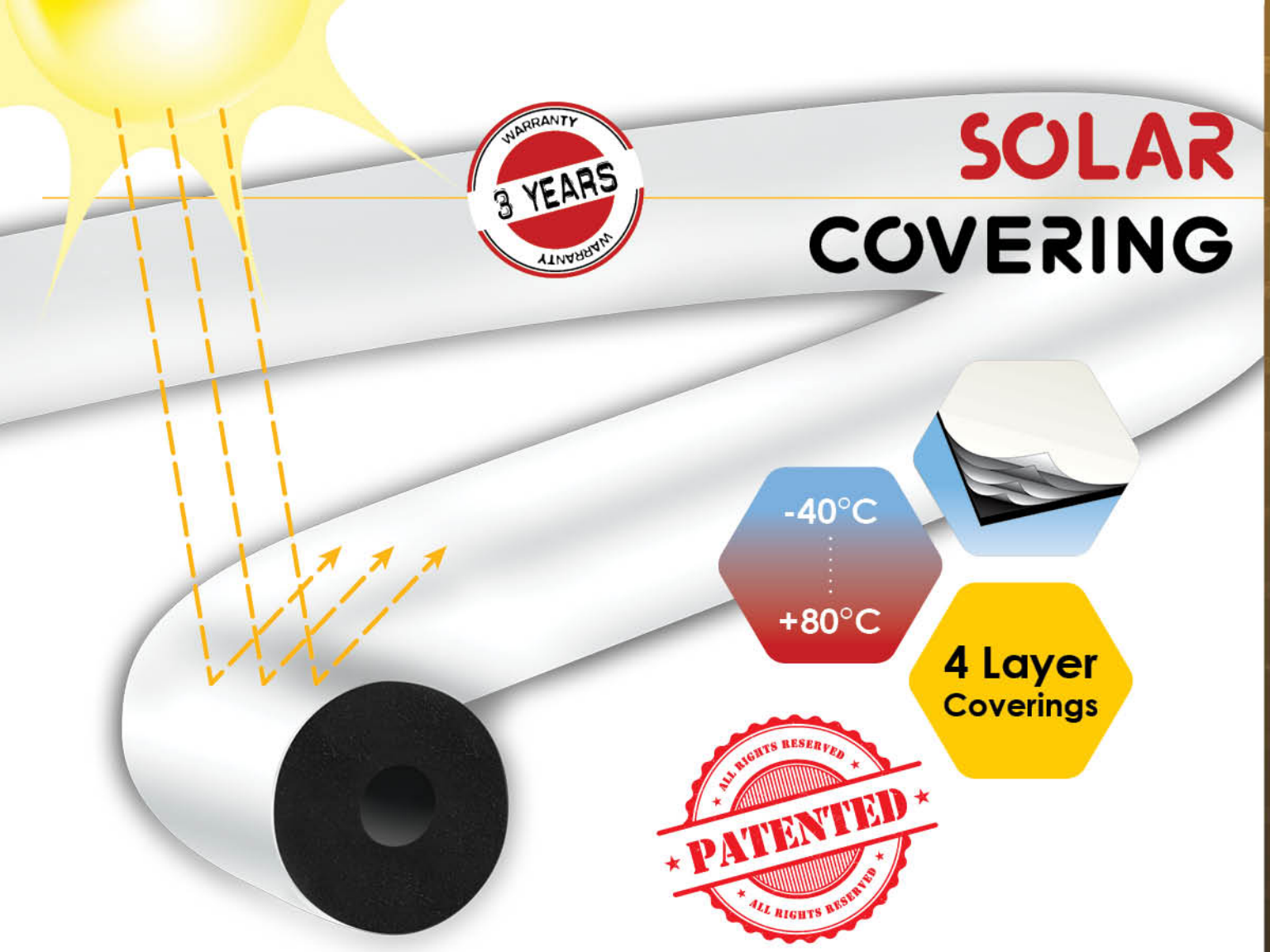
- **Permeability:** Increased resistance to water vapour transmission.
- **SOLAR Protection:** Its external surface may not exhibit aesthetic defects for at least several years after prolonged exposure to UV radiation.
- **Flexibility:** Continuous long term performance.
- **Temp. Range on Surface of Covering:** -40°C to +80°C
- **Lifespan (est.):** +5 years
- **Warranty:** 3 years

> **Available in two types: SOLAR and SOLAR SG with corrugated surface.**

SOLAR: Available in Silver, Black & White Colour
SOLAR SG: Available in White Colour



SOLAR COVERING

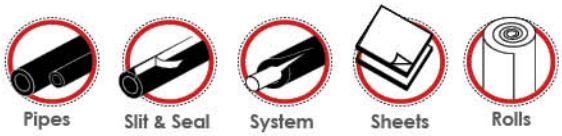


Technical Data

Properties	Technical Data	TEST Methods	Lab/ TEST Reports
Operating Temperatures (°C) on Surface of Covering	-40°C to +80°C	ISO 306	TUV Nord Baltic Ltd., TNO, Swedcert, EBETAM
Thickness	< 0.40mm: ±0.1mm	DIN 53370	self monitoring
Tensile Strength (Pa)	>0.10 Mpa	ASTM D 882	
Elongation at Break	>200%		
UV Resistance	Very good	ISO 4892-2	MIRTEC
Weather Resistance	Very good	ISO 4892-2	MIRTEC
Oil & Grease Resistance	Very good	ASTM D 471	self monitoring
Colour of SOLAR Film	White, Silver & Black		
Warranty	3 years		

The mentioned values are these which have been measured in our laboratory, under typical conditions. They can be modified without prior notice. You are kindly requested to assert their validity before any special use.

Product Range



A wide range of Applications



ISOPIPE® TC

SOLAR Pipes



> Available in Silver, Black & White colour

Nominal Pipe Diameter				Nominal Wall Thickness mm									
Fe	Cu		PP	9mm - 3/8"		13mm - 1/2"		19mm - 3/4"		25mm - 1"		32mm - 1 1/4"	
Inch	mm	Inch		Code	m/Crt	Code	m/Crt	Code	m/Crt	Code	m/Crt	Code	m/Crt
-	Ø 10	3/8"	-	9x10*	228	13x10*	142	19x10*	82				
-	Ø 12	1/2"	-	9x12*	200	13x12*	126	19x12*	76				
1/4"	**Ø 15**	**5/8"**	**-**	**9x15**	**152**	**13x15**	**110**	**19x15**	**62**	**25x15***	**44**	**32x15**	**30**
3/8"	Ø 18	3/4"	-	9x18	142	13x18	98	19x18	58	25x18*	40	32x18	30
1/2"	**Ø 22**	**7/8"**	**-**	**9x22**	**116**	**13x22**	**78**	**19x22**	**52**	**25x22***	**30**	**32x22**	**28**
-	**Ø 25**	**1"**	**Ø 25**	**9x25**	**92**	**13x25***	**70**	**19x25**	**46**	**25x25***	**30**	**32x25***	**26**
3/4"	**Ø 28**	**1 1/8"**	**-**	**9x28**	**86**	**13x28**	**66**	**19x28**	**44**	**25x28***	**30**	**32x28**	**24**
1"	**Ø 35**	**1 3/8"**	**-**	**9x35**	**70**	**13x35**	**52**	**19x35**	**30**	**25x35***	**24**	**32x35**	**22**
1 1/4"	Ø 42	1 5/8"	Ø 40	9x42*	60	13x42	48	19x42	30	25x42*	22	32x42	16
1 1/2"	**Ø 48**	**1 7/8"**	**-**	**9x48***	**56**	**13x48***	**42**	**19x48***	**26**	**25x48***	**18**	**32x48***	**16**
-	**Ø 54**	**2 1/8"**	**Ø 50**	**9x54***	**46**	**13x54***	**34**	**19x54***	**24**	**25x54***	**18**	**32x54***	**16**
2"	Ø 60	2 3/8"	-	9x60*	42	13x60*	30	19x60*	22	25x60*	18	32x60*	10
-	**Ø 64**	**2 1/2"**	**Ø 63**	**9x64***	**28**	**13x64***	**20**	**19x64***	**16**	**25x64***	**10**	**32x64***	**10**
2 1/2"	Ø 76	3"	Ø 75	9x76*	18	13x76*	14	19x76*	12	25x76*	9	32x76*	8
3"	Ø 89	2 9/16"	Ø 90	9x88*	16	13x88*	12	19x88*	10	25x88*	8	32x88*	6
3 1/2"	Ø 108	4 1/4"	Ø 110	9x108*	12	13x108*	8	19x108*	8	25x108*	8	32x108*	6
4"	**Ø 114**	**4 9/16"**	**-**	**9x114***	**10**	**13x114***	**8**	**19x114***	**6**	**25x114***	**5**	**32x114***	**6**
5"	Ø 139	5 1/2"	-					19x139*	5	25x139*	4		
Thickness Tolerance				**± 1.5 mm**		**± 1.5 mm**		**± 2.0 mm**		**± 2.5 mm**		**± 2.5 mm**	

Available in SOLAR SG COVERING.

Other dimensions and thicknesses available upon request.

For pipes till Φ 60, the standard length is 2 meters (± 1.5 %), and from sizes Φ 64, the standard length is 1 meter (± 5 %).

For thicknesses 40mm & 50mm, the standard length is 1 meter (± 5 %).

Up to 5% of total carton content may be in 1 meter length.

Carton size: 210 x 41 x 27 cm (for pipes 2 meters) & 110 x 40 x 40 cm (for pipe 1 meter).

Dimensions marked with * are available upon request.

Meters per box can be amended without notification.

WARRANTY 3 YEARS WARRANTY

ISOPIPE® TC

Pipes SOLAR

> Available in Silver,
> Black & White colour



Nominal Pipe Diameter				Nominal Wall Thickness mm			
Fe	Cu		PP	40mm - 1 9/16"		50mm - 2"	
Inch	mm	Inch		Code	m/Crt	Code	m/Crt
3/4"	**Ø 28**	**1 1/8"**	**-**	**40x28***	**12**	**50x28***	**8**
1"	**Ø 35**	**1 3/8"**	**-**	**40x35***	**10**	**50x35***	**8**
1 1/4"	Ø 42	1 5/8"	Ø 40	40x42*	10	50x42*	7
1 1/2"	**Ø 48**	**1 7/8"**	**-**	**40x48***	**8**	**50x48***	**6**
-	**Ø 54**	**2 1/8"**	**Ø 50**	**40x54***	**7**	**50x54***	**6**
2"	Ø 60	2 3/8"	-	40x60*	7	50x60*	5
-	**Ø 64**	**2 1/2"**	**Ø 63**	**40x64***	**6**	**50x64***	**5**
2 1/2"	Ø 76	3"	Ø 75	40x76*	5	50x76*	4
3"	Ø 89	3 9/16"	Ø 90	40x88*	4	50x88*	4
3 1/2"	Ø 108	4 1/4"	Ø 110	40x108*	4		
4"	**Ø 114**	**4 9/16"**	**-**	**40x114***	**4**		
5"	Ø 139	5 1/2"	-	40x139*	3		
Thickness Tolerance				**± 2.5 mm**		**± 2.5 mm**	

Other dimensions and thicknesses available upon request.

For thicknesses 40mm & 50mm, the standard length is 1 meter (± 5 %).

Up to 5% of total carton content may be in 1 meter length.

Carton size: 210 x 41 x 27 cm (for pipes 2 meters) & 110 x 40 x 40 cm (for pipe 1 meter).

Dimensions marked with * are available upon request.

Meters per box can be amended without notification.

WARRANTY 3 YEARS WARRANTY

ISOPIPE® HT-HF

SOLAR Pipes



> Available in Silver, Black & White colour

Nominal Pipe Diameter				Nominal Wall Thickness mm							
Fe	Cu		PP	9mm - 3/8"		13mm - 1/2"		19mm - 3/4"		25mm - 1"	
Inch	mm	Inch		Code	m/Crt	Code	m/Crt	Code	m/Crt	Code	m/Crt
-	Ø 10	3/8"	-	9x10*	228	13x10*	142	19x10*	82		
-	Ø 12	1/2"	-	9x12*	200	13x12*	126	19x12*	76		
1/4"	**Ø 15**	**5/8"**	**-**	**9x15**	**152**	**13x15**	**110**	**19x15**	**62**	**25x15***	**44**
3/8"	Ø 18	3/4"	-	9x18	142	13x18	98	19x18	58	25x18*	40
1/2"	**Ø 22**	**7/8"**	**-**	**9x22**	**116**	**13x22**	**78**	**19x22**	**52**	**25x22***	**30**
-	**Ø 25**	**1"**	**Ø 25**	**9x25**	**92**	**13x25***	**70**	**19x25**	**46**	**25x25***	**30**
3/4"	**Ø 28**	**1 1/8"**	**-**	**9x28**	**86**	**13x28**	**66**	**19x28**	**44**	**25x28***	**30**
1"	**Ø 35**	**1 3/8"**	**-**	**9x35**	**70**	**13x35**	**52**	**19x35**	**30**	**25x35***	**24**
1 1/4"	Ø 42	1 5/8"	Ø 40	9x42*	60	13x42	48	19x42	30	25x42*	22
1 1/2"	**Ø 48**	**1 7/8"**	**-**	**9x48***	**56**	**13x48***	**42**	**19x48***	**26**	**25x48***	**18**
-	**Ø 54**	**2 1/8"**	**Ø 50**	**9x54***	**46**	**13x54***	**34**	**19x54***	**24**	**25x54***	**18**
2"	Ø 60	2 3/8"	-	9x60*	42	13x60*	30	19x60*	22	25x60*	18
-	**Ø 64**	**2 1/2"**	**Ø 63**	**9x64***	**28**	**13x64***	**20**	**19x64***	**16**	**25x64***	**10**
2 1/2"	Ø 76	3"	Ø 75	9x76*	18	13x76*	14	19x76*	12	25x76*	9
3"	Ø 89	2 9/16"	Ø 90	9x88*	16	13x88*	12	19x88*	10	25x88*	8
Thickness Tolerance				**± 1.5 mm**		**± 1.5 mm**		**± 2.0 mm**		**± 2.5 mm**	

Other dimensions and thicknesses available upon request.
For pipes till Φ 60, the standard length is 2 meters (± 1.5 %), and from sizes Φ 64, the standard length is 1 meter (± 5 %).

For thicknesses 40mm & 50mm, the standard length is 1 meter (± 5 %).
Up to 5% of total carton content may be in 1 meter length.
Carton size: 210 x 41 x 27 cm (for pipes 2 meters) & 110 x 40 x 40 cm (for pipe 1 meter).
Dimensions marked with * are available upon request.
Meters per box can be amended without notification.



HP COVERING

Hygienic Protection Covering, Ideal for Internal Use

Hygienic Protection (HP) is an aluminum special covering for hygienic and internal applications, composed of five layers. HP Covering is mainly used for duct wrap in HVAC systems and other fields, having excellent water vapour diffusion resistance and flame-retardant properties.

Available in Insulation of: ISOPIPE TC (+110°C).

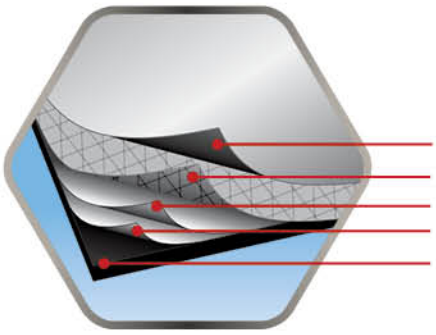
Interior Use

Benefits of HP COVERING

- High UV protection with reflective properties.
- Reduces risk of under insulation corrosion.
- Fire will not spread through its protection.
- Fast and easy installation, without requiring special equipment.
- Chemical and oil resistance.
- No need to tape, paint or cover.
- Easy to clean and maintain. It can be cleaned with a standard cloth.
- Smooth and shiny appearance.



5 Layer Coverings



Aluminum: Increased water vapour diffusion resistance

Scrim: Increased resistance to mechanical stress

Solvent Acrylic Adhesive: Improved consistency between the layers

Kraft: Increased water vapour diffusion resistance and better application on the insulation

Properties

- **Thickness:** 60 µm
- **Weight:** 154 g/m²
- **Permeability:** Increased water vapour diffusion resistance (µ) by more than 100%.
- **Flexibility:** Continuous long term performance.
- **Temp. Range on Surface of Covering:** -35°C to +120°C
- **Lifespan (est.):** +6 years
- **Warranty:** 5 years

> “Scrim provides increased resistance to mechanical stress”

HP COVERING

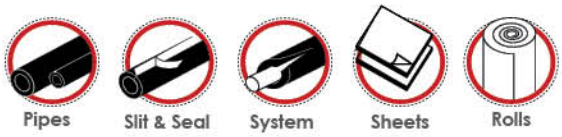


Technical Data

Properties	Technical Data	TEST Methods
Permeability (μ)	5,75ng/N.s	
Operating Temperatures (°C) on Surface of Covering	-35°C to +120°C	ASTM C1263
Thickness	**HP Film:** 60 μm	
	Silicone Release Liner: 85 μm	
Film Weight	154 gr/m²	ASTM D646
Tensile Strength	50N/ 25mm	ASTM D3759
Elongation	20%	ASTM D3759
Reflectivity of Foil Surface	95%	
Warranty	5 years	

The mentioned values are these that have been measured in our laboratory, under typical conditions.
They can be modified without prior notice. You are kindly requested to assert their validity before any special usage.

Product Range



A wide range of Applications



ISOPIPE® TC HP

Pipes



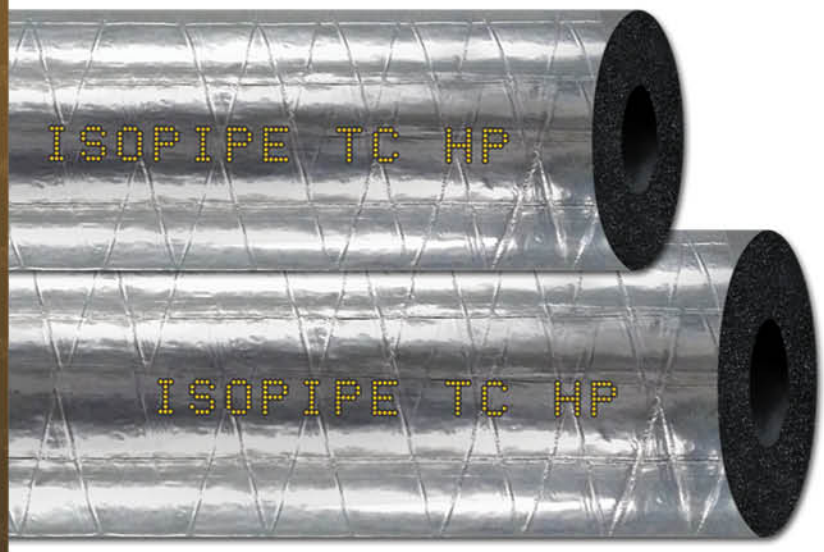
Nominal Pipe Diameter				Nominal Wall Thickness mm							
Fe	Cu		PP	13mm - 1/2"		19mm - 3/4"		25mm - 1"		32mm - 1 1/4"	
Inch	mm	Inch	-	Code	m/Crt	Code	m/Crt	Code	m/Crt	Code	m/Crt
-	Ø 10	3/8"	-	13x10*	112	19x10*	66				
-	Ø 12	1/2"	-	13x12*	100	19x12*	60				
1/4"	**Ø 15**	**5/8"**	**-**	**13x15***	**74**	**19x15**	**48**	**25x15***	**36**	**32x15***	**26**
3/8"	Ø 18	3/4"	-	13x18*	62	19x18	42	25x18*	34	32x18*	22
1/2"	**Ø 22**	**7/8"**	**-**	**13x22**	**58**	**19x22**	**40**	**25x22***	**28**	**32x22**	**22**
3/4"	**Ø 28**	**1 1/8"**	**-**	**13x28**	**46**	**19x28**	**32**	**25x28***	**24**	**32x28**	**16**
1"	**Ø 35**	**1 3/8"**	**-**	**13x35**	**36**	**19x35**	**24**	**25x35***	**18**	**32x35**	**16**
1 1/4"	Ø 42	1 5/8"	Ø 40	13x42	28	19x42	20	25x42*	16	32x42	14
1 1/2"	**Ø 48**	**1 7/8"**	**-**	**13x48***	**26**	**19x48***	**18**	**25x48***	**14**	**32x48***	**12**
-	**Ø 54**	**2 1/8"**	**Ø 50**	**13x54**	**24**	**19x54**	**16**	**25x54***	**14**	**32x54**	**10**
2"	Ø 60	2 3/8"	-	13x60*	20	19x60*	16	25x60*	12	32x60*	10
-	**Ø 64**	**2 1/2"**	**Ø 63**	**13x64**	**20**	**19x64**	**16**	**25x64***	**10**	**32x64**	**10**
2 1/2"	Ø 76	3"	Ø 75	13x76	14	19x76	12	25x76*	9	32x76	8
3"	Ø 89	3 9/16"	Ø 90	13x88	12	19x88*	10	25x88*	8	32x88	6
3 1/2"	Ø 108	4 1/4"	Ø 110	13x108*	8	19x108*	8			32x108*	6
4"	**Ø 114**	**4 9/16"**	**-**	**13x114***	**8**	**19x114***	**6**	**25x114***	**5**	**32x114***	**6**
Thickness Tolerance				**± 1.5 mm**		**± 2.0 mm**		**± 2.5 mm**		**± 2.5 mm**	

Other dimensions and thicknesses available upon request.
Standard length 1 meter (± 5 %).
Carton size: 110 x 40 x 40 cm (for pipe 1 meter).
Dimensions marked with * are available upon request.
Meters per box can be amended without notification.

WARRANTY 5 YEARS WARRANTY

ISOPIPE® TC HP

Pipes



Nominal Pipe Diameter				Nominal Wall Thickness mm			
Fe	Cu		PP	40mm - 1 9/16"		50mm - 2"	
Inch	mm	Inch	-	Code	m/Crt	Code	m/Crt
3/4"	**Ø 28**	**1 1/8"**	**-**	**40x28***	**12**	**50x28***	**8**
1"	**Ø 35**	**1 3/8"**	**-**	**40x35***	**10**	**50x35***	**8**
1 1/4"	Ø 42	1 5/8"	Ø 40	40x42*	10	50x42*	7
1 1/2"	**Ø 48**	**1 7/8"**	**-**	**40x48***	**8**	**50x48***	**6**
-	**Ø 54**	**2 1/8"**	**Ø 50**	**40x54***	**7**	**50x54***	**6**
2"	Ø 60	2 3/8"	-	40x60*	7	50x60*	4
-	**Ø 64**	**2 1/2"**	**Ø 63**	**40x64***	**6**	**50x64***	**4**
2 1/2"	Ø 76	3"	Ø 75	40x76*	5	50x76*	4
3"	Ø 89	3 9/16"	Ø 90	40x88*	4	50x88*	4
3 1/2"	Ø 108	4 1/4"	Ø 110	40x108*	4		
4"	**Ø 114**	**4 9/16"**	**-**	**40x114***	**4**		
5"	Ø 139	5 1/2"	-	40x139*	3		
Thickness Tolerance				**± 2.5 mm**		**± 2.5 mm**	

Other dimensions and thicknesses available upon request.
Standard length 1 meter (± 5 %).
Carton size: 110 x 40 x 40 cm (for pipe 1 meter).
Dimensions marked with * are available upon request.
Meters per box can be amended without notification.

UV PLUS COVERING

Aluminum Protection Covering with High Reflective Properties

UV PLUS COVERING is an aluminum external protection covering composed of three layers of polyester, aluminum and polyethylene, which provides resistance both to ultra violet radiation and other atmospheric agents.

Exterior Use

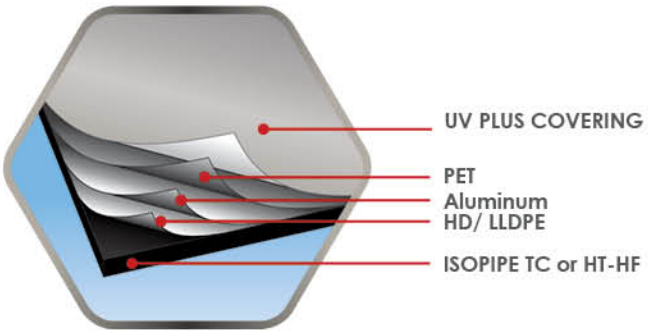
Available in Insulation of: ISOPIPE TC (+110ºC) or ISOPIPE HT-HF (+175ºC).

Benefits of UV PLUS COVERING

- High UV protection with reflective properties.
- Reduces risk of under insulation corrosion.
- Fire will not spread through its protection.
- Fast and easy installation, without requiring special equipment.
- Chemical and oil resistance.
- No need to tape, paint or cover.
- Easy to clean and maintain. It can be cleaned with a standard cloth.
- Smooth and shiny appearance.



4 Layer Coverings



Pet: Water moisture barrier, reducing permeability.

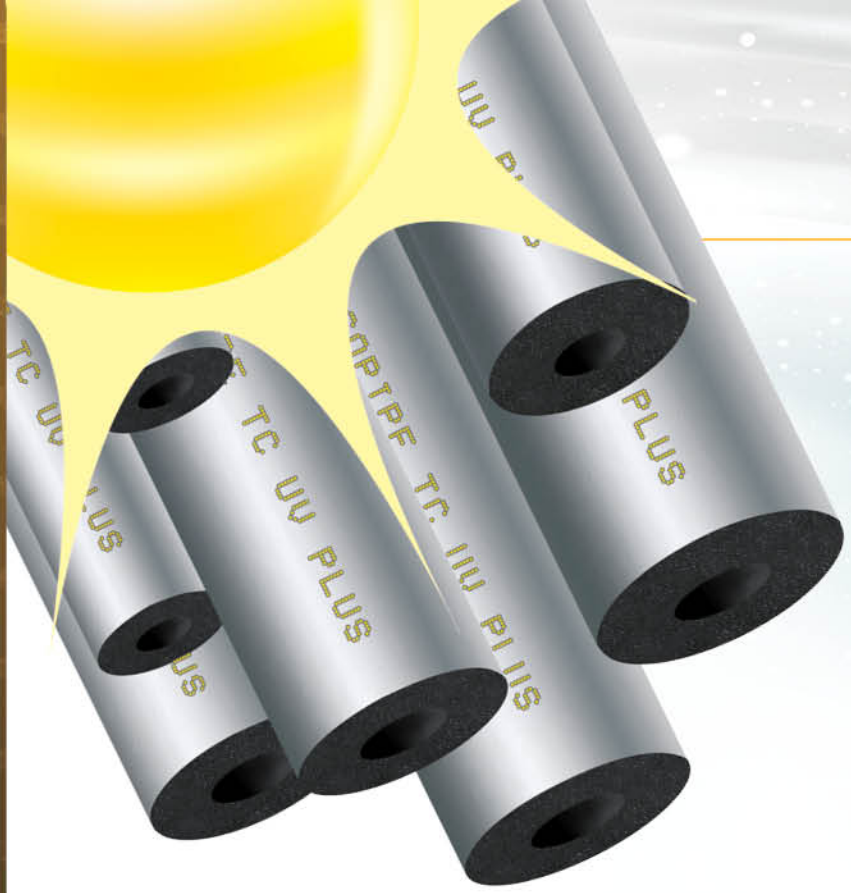
Aluminum: An excellent insulator, improving permeability.

HD/ LLDPE: A not to crinkle synthesis, in order to be easily glued over **ISOPIPE** insulation.

Properties

- **Thickness:** 99 μm
- **Weight:** 125 g/m²
- **Permeability:** Increased water vapour diffusion resistance (μ) by more than 100%.
- **Flexibility:** Continuous long term performance.
- **Temp. Range on Surface of Covering:** -40ºC to +100ºC
- **Lifespan (est.):** +10 years
- **Warranty:** 5 years





UV PLUS COVERING

WARRANTY 5 YEARS WARRANTY

-40°C
+100°C

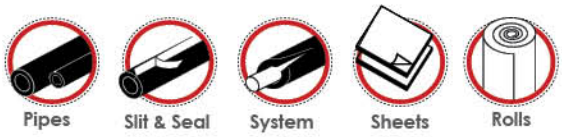
4 Layer Coverings

Technical Data

Properties	Technical Data	TEST Methods	Lab/ TEST Reports
Permeability (μ)	0.03 gr/m² / 24h 90% rel. humidity at 38ºC	EN 13469, EN 12086	self monitoring, RTU/ BDA KEUR
Operating Temperatures (ºC) on Surface of Covering	-40ºC to +100ºC		
Thickness	**UV PLUS Film:** 99 μm	DIN 53370	self monitoring
	Synthetic Rubber Adhesive: 70 μm, Liner Thickness: +85 μm		self monitoring
Film Weight	125 g/m²	ISO 536	
Film Traction Resistance	Longitudinal 75 N, Transversal 78 N	DIN 55531	
Film Adhesive Traction Resistance	Longitudinal 40 N/15mm, Transversal 41 N/15mm	DIN 55531	
UV Resistance	Very good	ASTM D 518	self monitoring
Weather Resistance	Very good		
Oil & Grease Resistance	Very good	ASTM D 471	self monitoring
Chemical Resistance	Diluted Acids, Aliphatic Hydrocarbons, Alcohols	Resistant	
	Diluted Alkalis, Aromatic & Halogenated Hydrocarbons	Moderate Resistant	
Warranty	5 years		

The mentioned values are these which have been measured in our laboratory, under typical conditions. They can be modified without prior notice. You are kindly requested to assert their validity before any special use.

Product Range



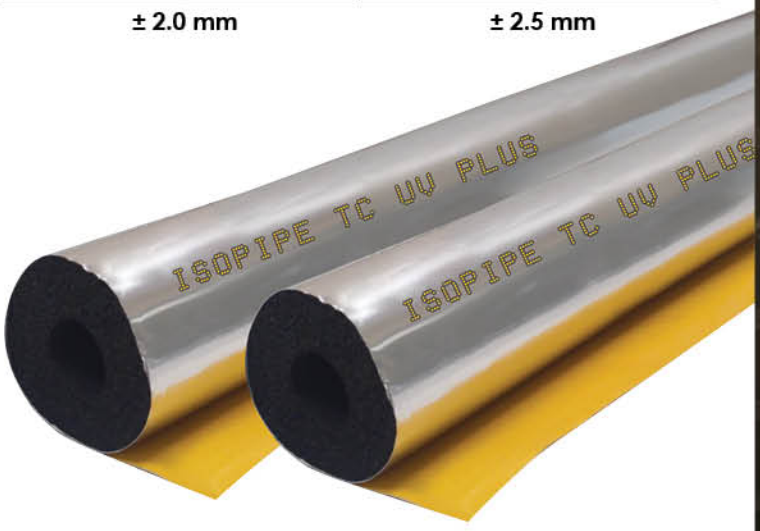
A wide range of Applications



ISOPIPE® HT-HF

Pipes UV PLUS

Nominal Pipe Diameter				Nominal Wall Thickness mm					
Fe	Cu		PP	13mm - 1/2"		19mm - 3/4"		25mm - 1"	
Inch	mm	Inch	-	Code	m/Crt	Code	m/Crt	Code	m/Crt
-	Ø 6	1/4"	-	13x6*	138	19x6*	74		
-	Ø 10	3/8"	-	13x10*	110	19x10*	66		
-	Ø 12	1/2"	-	13x12*	100	19x12*	60		
1/4"	**Ø 15**	**5/8"**	**-**	**13x15***	**74**	**19x15***	**48**	**25x15***	**36**
3/8"	Ø 18	3/4"	-	13x18*	62	19x18*	42	25x18*	30
1/2"	**Ø 22**	**7/8"**	**-**	**13x22***	**58**	**19x22***	**34**	**25x22***	**28**
3/4"	**Ø 28**	**1 1/8"**	**-**	**13x28***	**44**	**19x28***	**32**	**25x28***	**22**
-	Ø 32	1 1/4"	Ø32	13x32*	40	19x32*	28	25x32*	20
1"	**Ø 35**	**1 3/8"**	**-**	**13x35***	**32**	**19x35***	**24**	**25x35***	**16**
1 1/4"	Ø 42	1 5/8"	Ø 40	13x42*	28	19x42*	20	25x42*	16
1 1/2"	**Ø 48**	**1 7/8"**	**-**	**13x48***	**22**	**19x48***	**16**	**25x48***	**14**
-	**Ø 54**	**2 1/8"**	**Ø 50**	**13x54**	**20**	**19x54**	**16**	**25x54***	**12**
2"	Ø 60	2 3/8"	-	13x60*	20	19x60*	16	25x60*	10
-	**Ø 64**	**2 1/2"**	**Ø 63**	**13x64***	**20**	**19x64***	**14**	**25x64***	**10**
2 1/2"	Ø 76	3"	Ø 75	13x76*	12	19x76*	12	25x76*	8
3"	Ø 89	3 9/16"	Ø 90	13x88*	12	19x88*	10	25x88*	8
Thickness Tolerance				**± 1.5 mm**		**± 2.0 mm**		**± 2.5 mm**	



Other dimensions and thicknesses available upon request.
Standard length 1 meter (± 5 %).
Carton size: 110 x 40 x 40 cm (for pipe 1 meter).
Dimensions marked with * are available upon request.
Meters per box can be amended without notification.

WARRANTY 5 YEARS WARRANTY

ISOPIPE® TC

UV PLUS Pipes



Nominal Pipe Diameter				Nominal Wall Thickness mm							
Fe	Cu		PP	13mm - 1/2"		19mm - 3/4"		25mm - 1"		32mm - 1 1/4"	
Inch	mm	Inch	-	Code	m/Crt	Code	m/Crt	Code	m/Crt	Code	m/Crt
-	Ø 6	1/4"	-	13x6*	138	19x6*	74				
-	Ø 10	3/8"	-	13x10*	112	19x10*	66				
-	Ø 12	1/2"	-	13x12*	100	19x12*	60				
1/4"	**Ø 15**	**5/8"**	**-**	**13x15***	**74**	**19x15**	**48**	**25x15***	**36**	**32x15***	**26**
3/8"	Ø 18	3/4"	-	13x18*	62	19x18	42	25x18*	34	32x18*	22
1/2"	**Ø 22**	**7/8"**	**-**	**13x22**	**58**	**19x22**	**40**	**25x22***	**28**	**32x22**	**22**
3/4"	**Ø 28**	**1 1/8"**	**-**	**13x28**	**46**	**19x28**	**32**	**25x28***	**24**	**32x28**	**16**
-	Ø 32	1 1/4"	Ø32	13x32*	40	19x32*	28	25x32*	20	32x32*	16
1"	**Ø 35**	**1 3/8"**	**-**	**13x35**	**36**	**19x35**	**24**	**25x35***	**18**	**32x35**	**16**
1 1/4"	Ø 42	1 5/8"	Ø 40	13x42	28	19x42	20	25x42*	16	32x42	14
1 1/2"	**Ø 48**	**1 7/8"**	**-**	**13x48***	**26**	**19x48***	**18**	**25x48***	**14**	**32x48***	**12**
-	**Ø 54**	**2 1/8"**	**Ø 50**	**13x54**	**24**	**19x54**	**16**	**25x54***	**14**	**32x54**	**10**
2"	Ø 60	2 3/8"	-	13x60*	20	19x60*	16	25x60*	12	32x60*	10
-	**Ø 64**	**2 1/2"**	**Ø 63**	**13x64**	**20**	**19x64**	**16**	**25x64***	**10**	**32x64**	**10**
2 1/2"	Ø 76	3"	Ø 75	13x76	14	19x76	12	25x76*	9	32x76	8
3"	Ø 89	3 9/16"	Ø 90	13x88	12	19x88*	10	25x88*	8	32x88	6
3 1/2"	Ø 108	4 1/4"	Ø 110	13x108*	8	19x108*	8	25x108*	6	32x108*	6
4"	**Ø 114**	**4 9/16"**	**-**	**13x114***	**8**	**19x114***	**6**	**25x114***	**5**	**32x114***	**6**
-	Ø 125	5"	-	13x125*	8	19x125*	6				
5"	Ø 139	5 1/2"	-	13x139*	6	19x139*	5			32x139*	5
Thickness Tolerance				**± 1.5 mm**		**± 2.0 mm**		**± 2.5 mm**		**± 2.5 mm**	

Other dimensions and thicknesses available upon request.
Standard length 1 meter (± 5 %).
Carton size: 110 x 40 x 40 cm (for pipe 1 meter).
Dimensions marked with * are available upon request.
Meters per box can be amended without notification.



ISOPIPE® TC

Pipes UV PLUS



Nominal Pipe Diameter				Nominal Wall Thickness mm			
Fe	Cu		PP	40mm - 1 9/16"		50mm - 2"	
Inch	mm	Inch	-	Code	m/Crt	Code	m/Crt
3/4"	**Ø 28**	**1 1/8"**	**-**	**40x28***	**12**	**50x28***	**8**
-	Ø 32	1 1/4"	Ø32	40x32*	12		
1"	**Ø 35**	**1 3/8"**	**-**	**40x35***	**10**	**50x35***	**8**
-	Ø 38	1 1/2"	-	40x38*	10		
1 1/4"	Ø 42	1 5/8"	Ø 40	40x42*	10	50x42*	7
1 1/2"	**Ø 48**	**1 7/8"**	**-**	**40x48***	**8**	**50x48***	**6**
-	**Ø 54**	**2 1/8"**	**Ø 50**	**40x54***	**7**	**50x54***	**6**
2"	Ø 60	2 3/8"	-	40x60*	7	50x60*	4
-	**Ø 64**	**2 1/2"**	**Ø 63**	**40x64***	**6**	**50x64***	**4**
-	Ø 67	-	-	40x67*	6		
-	Ø 70	2 3/4"	-	40x70*	6	50x70*	4
2 1/2"	Ø 76	3"	Ø 75	40x76*	5	50x76*	4
-	Ø 80	3 1/8"	-	40x80*	5	50x80*	4
3"	Ø 89	3 9/16"	Ø 90	40x88*	4	50x88*	4
3 1/2"	Ø 108	4 1/4"	Ø 110	40x108*	4		
4"	**Ø 114**	**4 9/16"**	**-**	**40x114***	**4**		
5"	Ø 139	5 1/2"	-	40x139*	3		
Thickness Tolerance				**± 2.5 mm**		**± 2.5 mm**	

Other dimensions and thicknesses available upon request.
Standard length 1 meter (± 5 %).
Carton size: 110 x 40 x 40 cm (for pipe 1 meter).
Dimensions marked with * are available upon request.
Meters per box can be amended without notification.



HEAVY DUTY COVERING

Exterior Use

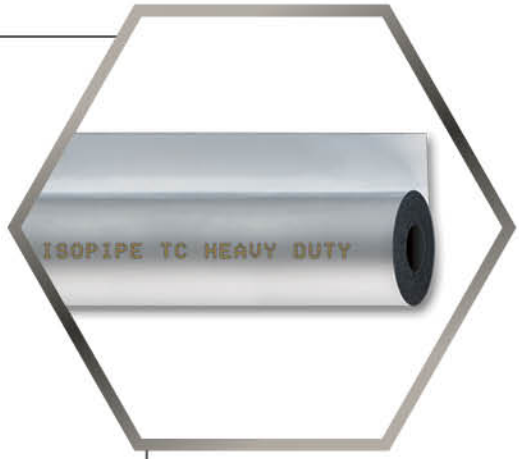
Superior Aluminum Protection Covering with High Fire Resistance

HEAVY DUTY (HD) COVERING is a superior reinforced external aluminum protection covering, offering high resistance against mechanical damage, ultra violet radiation, leakages and pipe corrosion. The **HEAVY DUTY COVERING** consists of three layers of Polyester, Aluminum and Fire Resistant (FR) PVC.

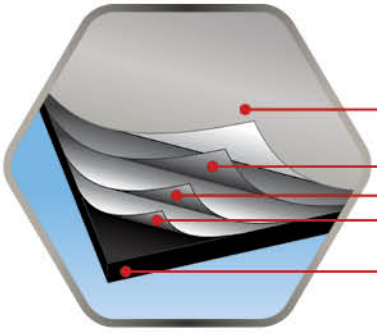
Available in Insulation of: ISOPIPE TC (+110°C) or ISOPIPE HT-HF (+175°C).

Benefits of HEAVY DUTY COVERING

- Excellent long term UV protection with extra reflective properties.
- Reduces the risk of under insulation corrosion.
- It is fire retardant (FR).
- Excellent water vapour barrier.
- Well protected against scratches and mechanical stress.
- Fast and easy installation.
- Easy to clean and maintain. It can be cleaned with a standard cloth.
- Smooth and shiny appearance.



4 Layer Coverings



Special UV: Improved UV protection film.

Aluminum: Improved water vapour transmission.

PVC: Burn resistance, special synthesis not to crinkle.

Properties

- **Thickness:** 230 µm
- **Weight:** 340 g/m²
- **Permeability:** Increased water vapour diffusion resistance (µ) by more than 10 times.
- **Flexibility:** Continuous long term performance.
- **Temp. Range on Surface of Covering:** -25°C to +75°C
- **Lifespan (est.):** +15 years
- **Warranty:** 7 years

Cover Puncture:
Very high puncture and wear resistance.
Fire will not spread through.
Ø 0.8 mm = 23 N
Ø 2.0 mm = 87 N



Technical Data

Properties	Technical Data	TEST Methods	Lab/ TEST Reports
Permeability (μ)	0.028 gr/m² / 24h	ISO 15106-2	
Operating Temperatures (°C) on Surface of Covering	-25°C to +75°C		
Thickness	**HEAVY DUTY Film:** 230 μm		self monitoring
	Synthetic Rubber Adhesive: 60 μm, Liner Thickness: +85 μm		self monitoring
Reaction to Fire (FR)	Class 0, Class 1	BS 476, Part 6 & Part 7	EXOVA Warringtonfire
	Class 1 or A	ASTM E 84	EXOVA Warringtonfire
Film Weight	340 g/m²	EN 22286	
Film Puncture	Ø0.8mm = 23 N Ø2.0mm = 87 N	Pr EN 14477	
UV Resistance	Excellent	ISO 4892-2	MIRTEC
Weather Resistance	Excellent	ISO 4892-2	MIRTEC
Oil & Grease Resistance	Very good	ASTM D 471	self monitoring
Warranty	7 years		

The mentioned values are these which have been measured in our laboratory, under typical conditions. They can be modified without prior notice. You are kindly requested to assert their validity before any special use.

Product Range



A wide range of Applications



ISOPIPE® TC

HEAVY DUTY
Pipes



Nominal Pipe Diameter				Nominal Wall Thickness mm					
Fe	Cu		PP	13mm - 1/2"		19mm - 3/4"		25mm - 1"	
Inch	mm	Inch	-	Code	m/Crt	Code	m/Crt	Code	m/Crt
1/4"	**Ø 15**	**5/8"**	**-**	**13x15***	**74**	**19x15***	**48**	**25x15***	**36**
3/8"	Ø 18	3/4"	-	13x18*	62	19x18*	42	25x18*	34
-	-	-	Ø 20	13x20*	60				
1/2"	**Ø 22**	**7/8"**	**-**	**13x22***	**58**	**19x22***	**40**	**25x22***	**28**
-	**Ø 25**	**1"**	**Ø 25**	**13x25***	**50**	**19x25***	**36**	**25x25***	**26**
3/4"	**Ø 28**	**1 1/8"**	**-**	**13x28***	**46**	**19x28***	**32**	**25x28***	**24**
-	Ø 32	1 1/4"	Ø 32	13x32*	40	19x32*	28	25x32*	20
1"	**Ø 35**	**1 3/8"**	**-**	**13x35***	**36**	**19x35***	**24**	**25x35***	**18**
1 1/4"	Ø 42	1 5/8"	Ø 40	13x42*	28	19x42*	20	25x42*	16
1 1/2"	**Ø 48**	**1 7/8"**	**-**	**13x48***	**26**	**19x48***	**18**	**25x48***	**14**
-	**Ø 54**	**2 1/8"**	**Ø 50**	**13x54***	**24**	**19x54***	**16**	**25x54***	**14**
2"	Ø 60	2 3/8"	-	13x60*	20	19x60*	16	25x60*	12
-	**Ø 64**	**2 1/2"**	**Ø 63**	**13x64***	**20**	**19x64***	**16**	**25x64***	**10**
2 1/2"	Ø 76	3"	Ø 75	13x76*	14	19x76*	12	25x76	9
3"	Ø 89	3 9/16"	Ø 90	13x88*	12	19x88*	10	25x88*	8
3 1/2"	Ø 108	4 1/4"	Ø 110	13x108*	8	19x108*	8		
4"	**Ø 114**	**4 9/16"**	**-**	**13x114***	**8**	**19x114***	**6**	**25x114***	**5**
5"	Ø 139	5 1/2"	-	13x139*	6				
Thickness Tolerance				**± 1.5 mm**		**± 2.0 mm**		**± 2.5 mm**	

Other dimensions and thicknesses available upon request.
Standard length 1 meter (± 5 %).
Carton size: 110 x 40 x 40 cm (for pipe 1 meter).
Dimensions marked with * are available upon request.
Meters per box can be amended without notification.



ISOPIPE® TC HEAVY DUTY

Nominal Pipe Diameter				Nominal Wall Thickness mm					
Fe	Cu		PP	32mm - 1 1/4"		40mm - 1 9/16"		50mm - 2"	
Inch	mm	Inch	-	Code	m/Crt	Code	m/Crt	Code	m/Crt
1/4"	**Ø 15**	**5/8"**	**-**	**32x15***	**26**				
3/8"	Ø 18	3/4"	-	32x18*	22				
1/2"	**Ø 22**	**7/8"**	**-**	**32x22***	**22**				
3/4"	**Ø 28**	**1 1/8"**	**-**	**32x28***	**16**	**40x28***	**12**	**50x28***	**8**
	Ø 32	-	-	32x32*	16	40x32*	12		
1"	**Ø 35**	**1 3/8"**	**-**	**32x35***	**16**	**40x35***	**10**	**50x35***	**8**
-	Ø 38	1 1/2"	-			40x38*	10		
1 1/4"	Ø 42	1 5/8"	Ø 40	32x42*	14	40x42*	10	50x42*	7
1 1/2"	**Ø 48**	**1 7/8"**	**-**	**32x48***	**12**	**40x48***	**8**	**50x48***	**6**
-	**Ø 54**	**2 1/8"**	**Ø 50**	**32x54***	**10**	**40x54***	**7**	**50x54***	**6**
2"	Ø 60	2 3/8"	-	32x60*	10	40x60*	7	50x60*	5
-	**Ø 64**	**2 1/2"**	**Ø 63**	**32x64***	**10**	**40x64***	**6**	**50x64***	**5**
2 1/2"	Ø 76	3"	Ø 75	32x76*	8	40x76*	5	50x76*	4
-	Ø 80	3 1/8"	-			40x80*	5	50x80*	4
3"	Ø 89	3 9/16"	Ø 90	32x88*	6	40x88*	4	50x88*	4
3 1/2"	Ø 108	4 1/4"	Ø 110	32x108*	6	40x108*	4		
4"	**Ø 114**	**4 9/16"**	**-**	**32x114***	**6**	**40x114***	**4**		
-	Ø 125	5"	-			40x125*	4		
5"	Ø 139	5 1/2"	-			40x139*	3		
Thickness Tolerance				**± 2.5 mm**		**± 2.5 mm**		**± 2.5 mm**	

ISOPIPE® HT-HF HEAVY DUTY

Nominal Pipe Diameter				Nominal Wall Thickness mm					
Fe	Cu		PP	13mm - 1/2"		19mm - 3/4"		25mm - 1"	
Inch	mm	Inch	-	Code	m/Crt	Code	m/Crt	Code	m/Crt
1/4"	**Ø 15**	**5/8"**	**-**	**13x15***	**74**	**19x15***	**48**	**25x15***	**36**
3/8"	Ø 18	3/4"	-	13x18*	62	19x18*	42	25x18*	30
-	-	-	Ø 20	13x20*	60				
1/2"	**Ø 22**	**7/8"**	**-**	**13x22***	**58**	**19x22***	**34**	**25x22***	**28**
-	**Ø 25**	**1"**	**Ø 25**	**13x25***	**50**	**19x25***	**36**	**25x25***	**26**
3/4"	**Ø 28**	**1 1/8"**	**-**	**13x28***	**44**	**19x28***	**28**	**25x28***	**22**
-	Ø 32	1 1/4"	Ø 32	13x32*	40	19x32*	28	25x32*	20
1"	**Ø 35**	**1 3/8"**	**-**	**13x35***	**32**	**19x35***	**22**	**25x35***	**16**
1 1/4"	Ø 42	1 5/8"	Ø 40	13x42*	28	19x42*	20	25x42*	16
1 1/2"	**Ø 48**	**1 7/8"**	**-**	**13x48***	**22**	**19x48***	**16**	**25x48***	**14**
-	**Ø 54**	**2 1/8"**	**Ø 50**	**13x54***	**20**	**19x54***	**16**	**25x54***	**12**
2"	Ø 60	2 3/8"	-	13x60*	20	19x60*	16	25x60*	10
-	**Ø 64**	**2 1/2"**	**Ø 63**	**13x64***	**20**	**19x64***	**14**	**25x64***	**10**
2 1/2"	Ø 76	3"	Ø 75	13x76*	12	19x76*	12	25x76	8
3"	Ø 89	3 9/16"	Ø 90	13x88*	12	19x88*	10	25x88*	8
Thickness Tolerance				**± 1.5 mm**		**± 2.0 mm**		**± 2.5 mm**	

ISOPIPE®
SLIT & SEAL

Synthetic rubber insulation, lengthwise pre-slitted with self-adhesive tape and self-adhesive overlap.



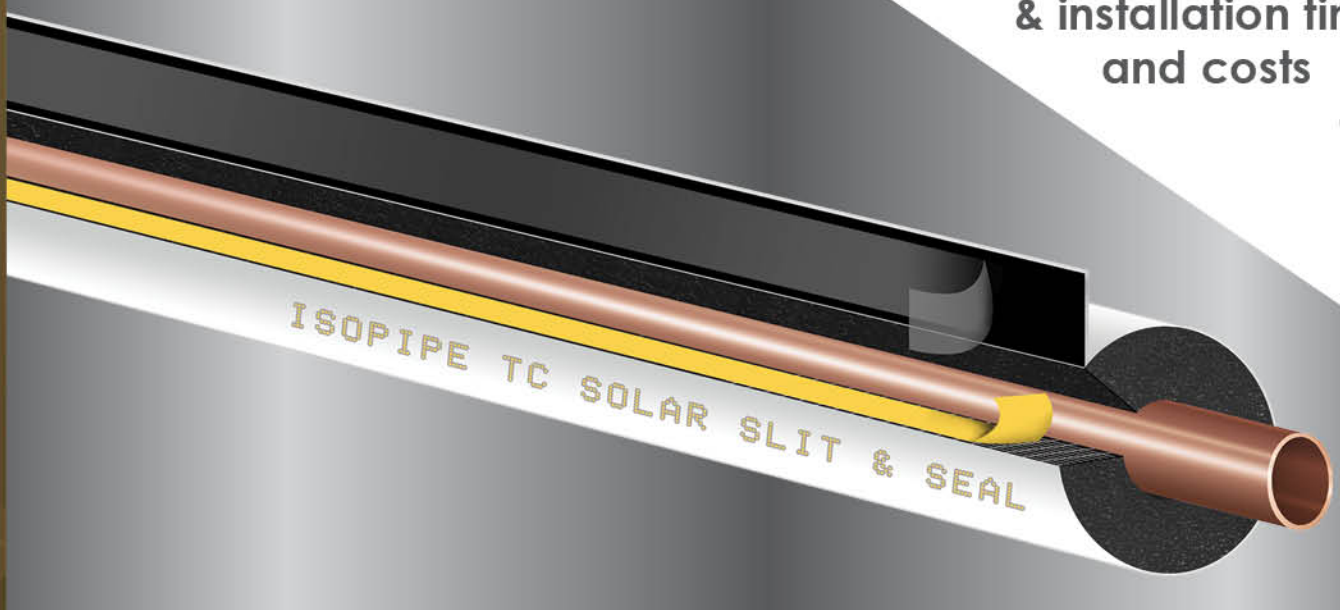
Slit & Seal



SLIT & SEAL Benefits

- **ISOPIPE Slit & Seal** has a **secure double bonding** along the slit's length, with strong inner self-adhesive *mesh* tape and self-adhesive overlapping tape.
- It is **pre-cut at angle** offering a larger bonding surface, better adhesive properties and less risk of heat loss.
- **ISOPIPE Slit & Seal reduces** significantly **application and installation time and costs.**
- It has an **attractive** appearance and **professional finish.**

> **Slit & Seal reduces significantly application & installation time and costs**

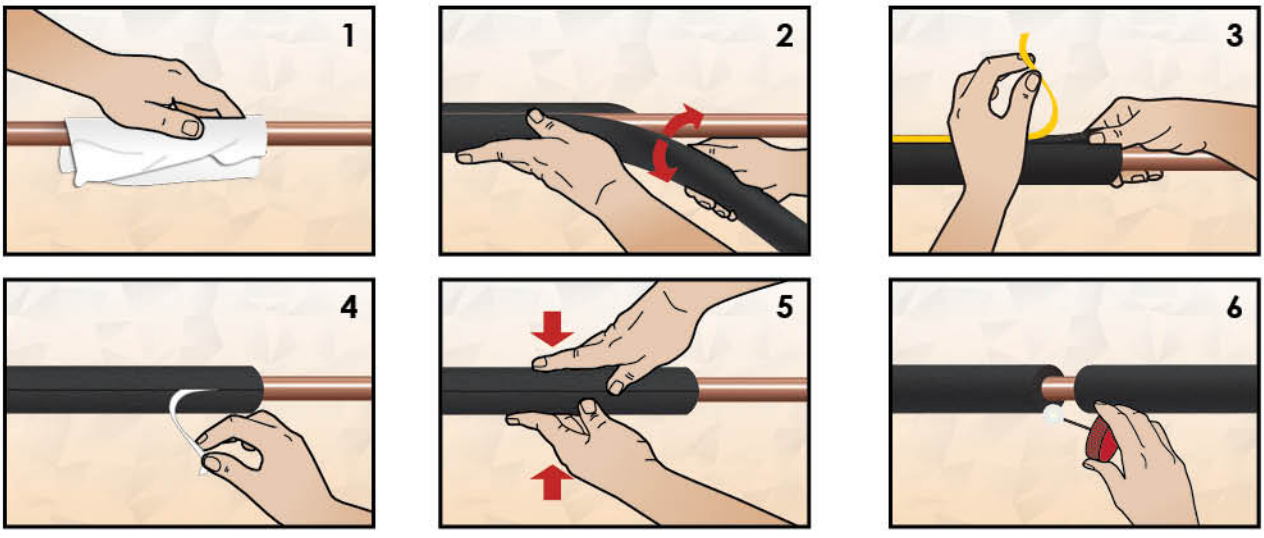


Applications

- All Heating and Cooling pipe systems, where thermal insulation is required.
- **Already existing pipe systems**, where insulation cannot be threaded and must be slit and clamped around existing pipes.

Available in Insulation of: ISOPIPE TC (+110°C), ISOPIPE TR (+110°C) or ISOPIPE HT-HF (+175°C).
Also available in: SOLAR COVERING.

Installation Guide for ISOPIPE TC Slit & Seal



1. Clean well the pipe's exterior surface.
2. Place the insulation over the pipe.
3. Lift the inner protective release film.
4. Pull out the protective release film while holding at an angle.
5. Bring both sides of the insulation firmly together. Release the film from the overlapping tape and cover the slit.
6. Apply **ISOGLUE** on the ends to join more insulation pieces. Then, press firmly together to connect them.

ISOPIPE® TC

SLIT & SEAL



Nominal Pipe Diameter			Nominal Wall Thickness mm							
Fe	Cu		9mm - 3/8"		13mm - 1/2"		19mm - 3/4"		25mm - 1"	
Inch	mm	Inch	Code	m/Crt	Code	m/Crt	Code	m/Crt	Code	m/Crt
-	Ø 12	1/2"					19x12*	76		
1/4"	**Ø 15**	**5/8"**	**9x15***	**152**	**13x15***	**110**	**19x15***	**62**	**25x15***	**44**
3/8"	Ø 18	3/4"	9x18*	142	13x18*	98	19x18*	58	25x18*	40
1/2"	**Ø 22**	**7/8"**	**9x22***	**116**	**13x22***	**78**	**19x22***	**52**	**25x22***	**30**
-	**Ø 25**	**1"**	**9x25***	**92**	**13x25***	**70**	**19x25***	**46**	**25x25***	**30**
3/4"	**Ø 28**	**1 1/8"**	**9x28***	**86**	**13x28***	**66**	**19x28***	**44**	**25x28***	**30**
1"	**Ø 35**	**1 3/8"**	**9x35***	**70**	**13x35***	**52**	**19x35***	**30**	**25x35***	**24**
1 1/4"	Ø 42	1 5/8"	9x42*	60	13x42*	48	19x42*	30	25x42*	22
1 1/2"	Ø 48	1 7/8"	9x48*	56	13x48*	42	19x48*	26	25x48*	18
-	**Ø 54**	**2 1/8"**	**9x54***	**46**	**13x54***	**34**	**19x54***	**24**	**25x54***	**18**
2"	Ø 60	2 3/8"	9x60*	42	13x60*	30	19x60*	22	25x60*	18
-	**Ø 64**	**2 1/2"**	**9x64***	**40**	**13x64***	**28**	**19x64***	**18**	**25x64***	**16**
2 1/2"	Ø 76	3"	9x76*	34	13x76*	24	19x76*	18	25x76*	12
3"	Ø 89	3 9/16"	9x88*	30	13x88*	22	19x88*	14	25x88*	12
4"	**Ø 114**	**4 9/16"**	**9x114***	**24**			**19x114***	**12**	**25x114***	**8**
Thickness Tolerance			**± 1.5 mm**		**± 1.5 mm**		**± 2.0 mm**		**± 2.5 mm**	

Nominal Pipe Diameter			Nominal Wall Thickness mm			
Fe	Cu		32mm - 1 1/4"		40mm - 1 9/16"	
Inch	mm	Inch	Code	m/Crt	Code	m/Crt
3/8"	Ø 18	3/4"	32x18*	30		
1/2"	Ø 22	7/8"	32x22*	28		
3/4"	Ø 28	1 1/8"	32x28*	24	40x28	12
1"	Ø 35	1 3/8"	32x35*	22	40x35*	12
1 1/4"	Ø 42	1 5/8"	32x42*	16	40x42*	12
1 1/2"	Ø 48	1 7/8"	32x48*	16		
-	Ø 54	2 1/8"	32x54*	16	40x54*	8
2"	Ø 60	2 3/8"	32x60*	12		
-	Ø 64	2 1/2"	32x64*	12	40x64*	8
2 1/2"	Ø 76	3"	32x76*	10		
3"	Ø 89	3 9/16"	32x88*	10		
4"	Ø 114	4 9/16"	32x114*	8		
Thickness Tolerance			**± 2.5 mm**		**± 2.5 mm**	

ISOPIPE Slit & Seal is also available with ISOPIPE TR & HT-HF Insulation, SOLAR - HP & UV PLUS Covering.

Other dimensions and thicknesses available upon request.

Standard length for ISOPIPE TC Slit & Seal is 2 m (± 1,5 %). Up to 5% of total carton content may be in 1 meter length.

Standard carton size is 210 x 41 x 27 cm.

Dimensions marked with * are available upon request.

Meters per box can be amended without notification.

ISOPIPE® TC

SOLAR SLIT & SEAL



Nominal Pipe Diameter			Nominal Wall Thickness mm									
Fe	Cu		9mm - 3/8"		13mm - 1/2"		19mm - 3/4"		25mm - 1"		32mm - 1 1/4"	
Inch	mm	Inch	Code	m/Crt	Code	m/Crt	Code	m/Crt	Code	m/Crt	Code	m/Crt
1/4"	**Ø 15**	**5/8"**	**9x15***	**152**	**13x15***	**110**	**19x15***	**62**	**25x15***	**44**	**32x15***	**30**
3/8"	Ø 18	3/4"	9x18*	142	13x18*	98	19x18*	58	25x18*	40	32x18*	30
1/2"	**Ø 22**	**7/8"**	**9x22***	**116**	**13x22***	**78**	**19x22***	**52**	**25x22***	**30**	**32x22***	**28**
-	**Ø 25**	**1"**	**9x25***	**92**			**19x25***	**46**				
3/4"	**Ø 28**	**1 1/8"**	**9x28***	**86**	**13x28***	**66**	**19x28***	**44**	**25x28***	**30**	**32x28***	**24**
1"	**Ø 35**	**1 3/8"**	**9x35***	**70**	**13x35***	**52**	**19x35***	**30**	**25x35***	**24**	**32x35**	**22**
1 1/4"	Ø 42	1 5/8"	9x42*	60	13x42*	48	19x42*	30	25x42*	22	32x42	16
1 1/2"	**Ø 48**	**1 7/8"**	**9x48***	**56**	**13x48***	**42**	**19x48***	**26**	**25x48***	**18**	**32x48***	**16**
-	**Ø 54**	**2 1/8"**	**9x54***	**46**	**13x54***	**34**	**19x54***	**24**	**25x54***	**18**	**32x54**	**16**
2"	Ø 60	2 3/8"	9x60*	42	13x60*	30	19x60*	22	25x60*	18	32x60*	10
-	**Ø 64**	**2 1/2"**	**9x64***	**28**	**13x64***	**20**	**19x64***	**16**	**25x64***	**10**	**32x64***	**10**
2 1/2"	Ø 76	3"	9x76*	18	13x76*	14	19x76*	12	25x76*	9	32x76*	8
3"	Ø 89	2 9/16"	9x88*	16			19x88*	10	25x88*	8	32x88*	6
Thickness Tolerance			**± 1.5 mm**		**± 1.5 mm**		**± 2.0 mm**		**± 2.5 mm**		**± 2.5 mm**	

ISOPIPE Slit & Seal is also available with HT-HF Insulation, SOLAR - HP & UV PLUS Covering.

Other dimensions and thicknesses available upon request.

For pipes from Φ 60, the standard length is 2 meters (± 1.5 %), and from sizes Φ 64, the standard length is 1 meter (± 5 %).

For thicknesses 40mm & 50mm, the standard length is 1 meter (± 5 %).

Up to 5% of total carton content may be in 1 meter length.

Carton size: 210 x 41 x 27 cm (for pipes 2 meters) & 110 x 40 x 40 cm (for pipe 1 meter).

Dimensions marked with * are available upon request.

Meters per box can be amended without notification.

ISOROLLS

Flexible elastomeric foam insulation with significantly high percentage of closed cells in the form of rolls.

ISOROLLS: an excellent solution for insulating large objects like ducts & large bore pipes, due to its high elasticity & flexibility. Professionals can install the product quickly and give it the desired shape by eliminating undesirable gaps.

ISOROLLS are available with or without self-adhesive.

Self - Adhesive is a strong glue with reinforcing mesh, which is an easily removable silicon sticker.



Available in Insulation of: ISOPIPE TC (+110°C) or ISOPIPE HT-HF (+150°C).
Also available in: SOLAR, UV PLUS, HP & HEAVY DUTY COVERINGS.

ISOROLLS Benefits

- Easily applicable around large objects.
- Excellent flexibility.
- No need for glue, when ISOROLLS with self-adhesive are used.
- ISOROLLS with self-adhesive have strong adhesive capacity & are easy to use.



Applications

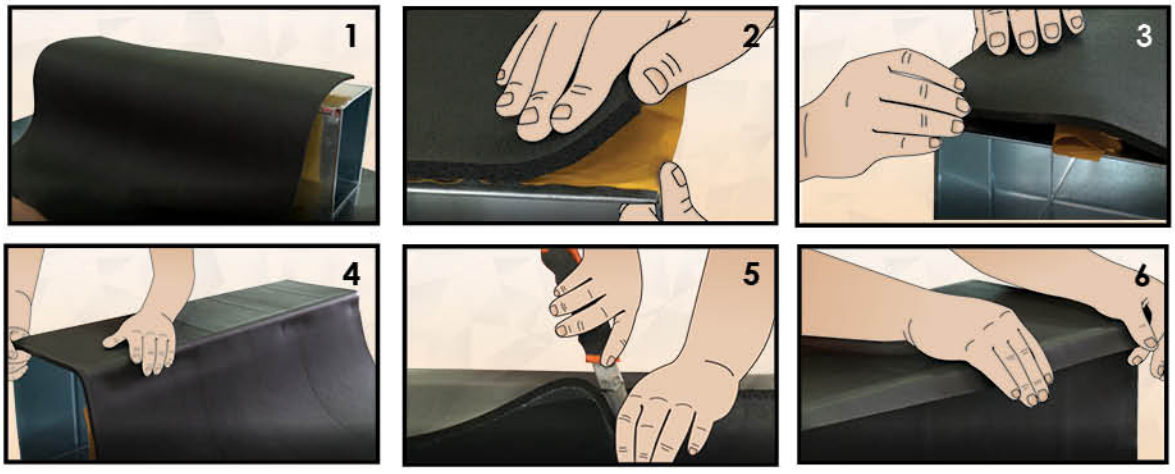
- **All heating and cooling pipe systems,** where thermal insulation is required.
- Large objects like ducts, large bore pipes, boilers.

ISOROLLS with Self Adhesive

Properties	Technical Data
Support	PES/ PVA scrim
Adhesive	Aquous dispersion of natural & synthetic latex
Release Liner	**Silicon Paper or PO** Glassline Paper, Yellow 90g/m² double sided siliconized or double sided siliconized PO film 60µm - White.
Polyester Scrim Construction	4 x 1 plain
Temperature Resistance (°C)	From -40°C to +90°C
Adhesive Strength	Min. 18N/ 25mm

The mentioned values are these which have been measured in our laboratory, under typical conditions. They can be modified without prior notice. You are kindly requested to assert their validity before any special use.

Installation Guide for ISOROLLS with Self-Adhesive



1. First of all, measure the length and width of the airduct to select the right quantity of insulation.
2. Make sure that the surface of the airduct is clear. Detach the yellow release liner from the insulation where the glue grid appears.
3. Start attaching the insulation from the corner of the airduct and continue inward of it.
4. Press the insulation in order to apply properly.
5. Cut the insulation that is left over along the length and width of the airduct.
6. Finally, apply **ISOTAPE** to the corners of the airduct for better restraint and insulation.

When using **ISOROLLS** without **Self Adhesive**, please follow the same instructions by using ISOGLUE.

ISOROLLS TC

Available with or without Self - Adhesive



ISOROLLS TC

Thickness	Thickness Tolerance	Dimension Rolls	Packaging
mm - inch	mm	m	m^2
6 - 1/4"	± 1.0mm	30 x 1	**30**
10 - 3/8"	± 1.5 mm	20 x 1	**20**
13 - 1/2"	± 1.5 mm	14 x 1	**14**
19 - 3/4"	± 2.0 mm	10 x 1	**10**
25 - 1"	± 2.0 mm	8 x 1	**8**
32 - 1 1/4"	± 2.5 mm	6 x 1	**6**
40 - 1-9/16"	± 3.0 mm	4 x 1	**4**
50 - 2"	± 3.0 mm	4 x 1	**4**
Tolerances		**Length ± 2,0% / Width ± 2,0%**	

Also available with ISOPIPE TR Insulation.

ISOROLLS are available with Polyolefin (PO) release liner upon request.
Other dimensions and thicknesses available upon request.
ISOROLLS are available in the form of Sheets. The dimensions of ISOSHEETS are 1 x 1m.
The length of rolls may be supplied in 2 pieces.
Standard plastic bag size of rolls 102 x 55 cm and cartons of sheets 102 x 102 x 19 cm.
Dimensions marked with * are available upon request.
Meters per box can be amended without notification.

"Available in Silver, Black & White colour"



ISOROLLS TC SOLAR

Thickness	Thickness Tolerance	Dimension Rolls	Packaging
mm - inch	mm	m	m^2
6 - 1/4"	± 1.0mm	30 x 1	**30**
10 - 3/8"	± 1.5 mm	20 x 1	**20**
13 - 1/2"	± 1.5 mm	14 x 1	**14**
19 - 3/4"	± 2.0 mm	10 x 1	**10**
25 - 1"	± 2.0 mm	8 x 1	**8**
32 - 1 1/4"	± 2.5 mm	6 x 1	**6**
40 - 1-9/16"	± 3.0 mm	4 x 1	**4**
50 - 2"	± 3.0 mm	4 x 1	**4**
Tolerances		**Length ± 2,0% / Width ± 2,0%**	

Also available with ISOPIPE HT-HF Insulation.

ISOROLLS are available with Self - Adhesive and/ or Polyolefin (PO) release liner upon request.
Other dimensions and thicknesses available upon request.
ISOROLLS are available in the form of Sheets. The dimensions of ISOSHEETS are 1 x 1m.
The length of rolls may be supplied in 2 pieces.
Standard plastic bag size of rolls 102 x 55 cm and cartons of sheets 102 x 102 x 19 cm.
Dimensions marked with * are available upon request.
Meters per box can be amended without notification.

WARRANTY 3 YEARS WARRANTY

ISOROLLS TC

CE

ISOROLLS TC UV PLUS

"Available with or without Self - Adhesive"



Thickness	Thickness Tolerance	Dimension Rolls	Packaging
mm - inch	mm	m	m^2
6 - 1/4"	± 1.0mm	30 x 1	**30**
10 - 3/8"	± 1.5 mm	20 x 1	**20**
13 - 1/2"	± 1.5 mm	14 x 1	**14**
19 - 3/4"	± 2.0 mm	10 x 1	**10**
25 - 1"	± 2.0 mm	8 x 1	**8**
32 - 1 1/4"	± 2.5 mm	6 x 1	**6**
40 - 1-9/16"	± 3.0 mm	4 x 1	**4**
50 - 2"	± 3.0 mm	4 x 1	**4**

Tolerancias **Length ± 2,0% / Width ± 2,0%**

Also available with ISOPIPE HT-HF Insulation.
ISOROLLS are available with Polyolefin (PO) release liner upon request.
Other dimensions and thicknesses available upon request.
ISOROLLS are available in the form of Sheets. The dimensions of ISOSHEETS are 1 x 1m.
The length of rolls may be supplied in 2 pieces.
Standard plastic bag size of rolls 102 x 55 cm and cartons of sheets 102 x 102 x 19 cm.
Dimensions marked with * are available upon request.
Meters per box can be amended without notification.

WARRANTY 5 YEARS WARRANTY



ISOROLLS TC HP

Thickness	Thickness Tolerance	Dimension Rolls	Packaging
mm - inch	mm	m	m^2
6 - 1/4"	± 1.0mm	30 x 1	**30**
10 - 3/8"	± 1.5 mm	20 x 1	**20**
13 - 1/2"	± 1.5 mm	14 x 1	**14**
19 - 3/4"	± 2.0 mm	10 x 1	**10**
25 - 1"	± 2.0 mm	8 x 1	**8**
32 - 1 1/4"	± 2.5 mm	6 x 1	**6**
40 - 1-9/16"	± 3.0 mm	4 x 1	**4**
50 - 2"	± 3.0 mm	4 x 1	**4**

Tolerances **Length ± 2,0% / Width ± 2,0%**

ISOROLLS are available with Polyolefin (PO) release liner upon request.
Other dimensions and thicknesses available upon request.
ISOROLLS are available in the form of Sheets. The dimensions of ISOSHEETS are 1 x 1m.
The length of rolls may be supplied in 2 pieces.
Standard plastic bag size of rolls 102 x 55 cm and cartons of sheets 102 x 102 x 19 cm.
Dimensions marked with * are available upon request.
Meters per box can be amended without notification.

WARRANTY 5 YEARS WARRANTY

ISOROLLS TC HEAVY DUTY

"Available with or without Self - Adhesive"



Thickness	Thickness Tolerance	Dimension Rolls	Packaging
mm - inch	mm	m	m^2
6 - 1/4"	± 1.0mm	30 x 1	**30**
10 - 3/8"	± 1.5 mm	20 x 1	**20**
13 - 1/2"	± 1.5 mm	14 x 1	**14**
19 - 3/4"	± 2.0 mm	10 x 1	**10**
25 - 1"	± 2.0 mm	8 x 1	**8**
32 - 1 1/4"	± 2.5 mm	6 x 1	**6**
40 - 1-9/16"	± 3.0 mm	4 x 1	**4**
50 - 2"	± 3.0 mm	4 x 1	**4**

Tolerancias **Length ± 2,0% / Width ± 2,0%**

Also available with ISOPIPE HT-HF Insulation.
ISOROLLS are available with Polyolefin (PO) release liner upon request.
Other dimensions and thicknesses available upon request.
ISOROLLS are available in the form of Sheets. The dimensions of ISOSHEETS are 1 x 1m.
The length of rolls may be supplied in 2 pieces.
Standard plastic bag size of rolls 102 x 55 cm and cartons of sheets 102 x 102 x 19 cm.
Dimensions marked with * are available upon request.
Meters per box can be amended without notification.



ISOROLLS HT-HF

Thickness	Thickness Tolerance	Dimension Rolls	Packaging
mm - inch	mm	m	m^2
10 - 3/8"	± 1.5 mm	20 x 1	**20**
13 - 1/2"	± 1.5 mm	14 x 1	**14**
19 - 3/4"	± 2.0 mm	10 x 1	**10**
25 - 1"	± 2.0 mm	8 x 1	**8**

Tolerances **Length ± 2,0% / Width ± 2,0%**

Also available in SOLAR, UV PLUS & HEAVY DUTY Covering.
ISOROLLS are available with Self - Adhesive and/ or Polyolefin (PO) release liner upon request.
Other dimensions and thicknesses available upon request.
ISOROLLS are available in the form of Sheets. The dimensions of ISOSHEETS are 1 x 1m.
The length of rolls may be supplied in 2 pieces.
Standard plastic bag size of rolls 102 x 55 cm and cartons of sheets 102 x 102 x 19 cm.
Dimensions marked with * are available upon request.
Meters per box can be amended without notification.

ISODUCT®

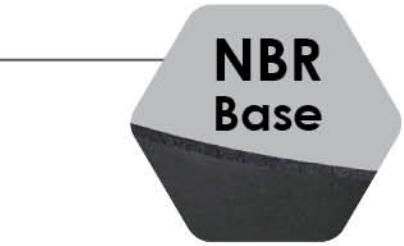
New & Useful Insulation Roll in 1.5m width

ISODUCT is flexible elastomeric foam insulation with significantly high percentage of closed cells in the form of rolls.

ISODUCT Benefits

- Excellent solution for insulating large objects like ducts & large bore pipes.
- **NBR Base**, which provides **oil** and **grease resistance**, as well as offering high elasticity and long life to the product.
- **Large width of 1,5m.**
- Available with or without self-adhesive.
- Also available with hygienic protection covering

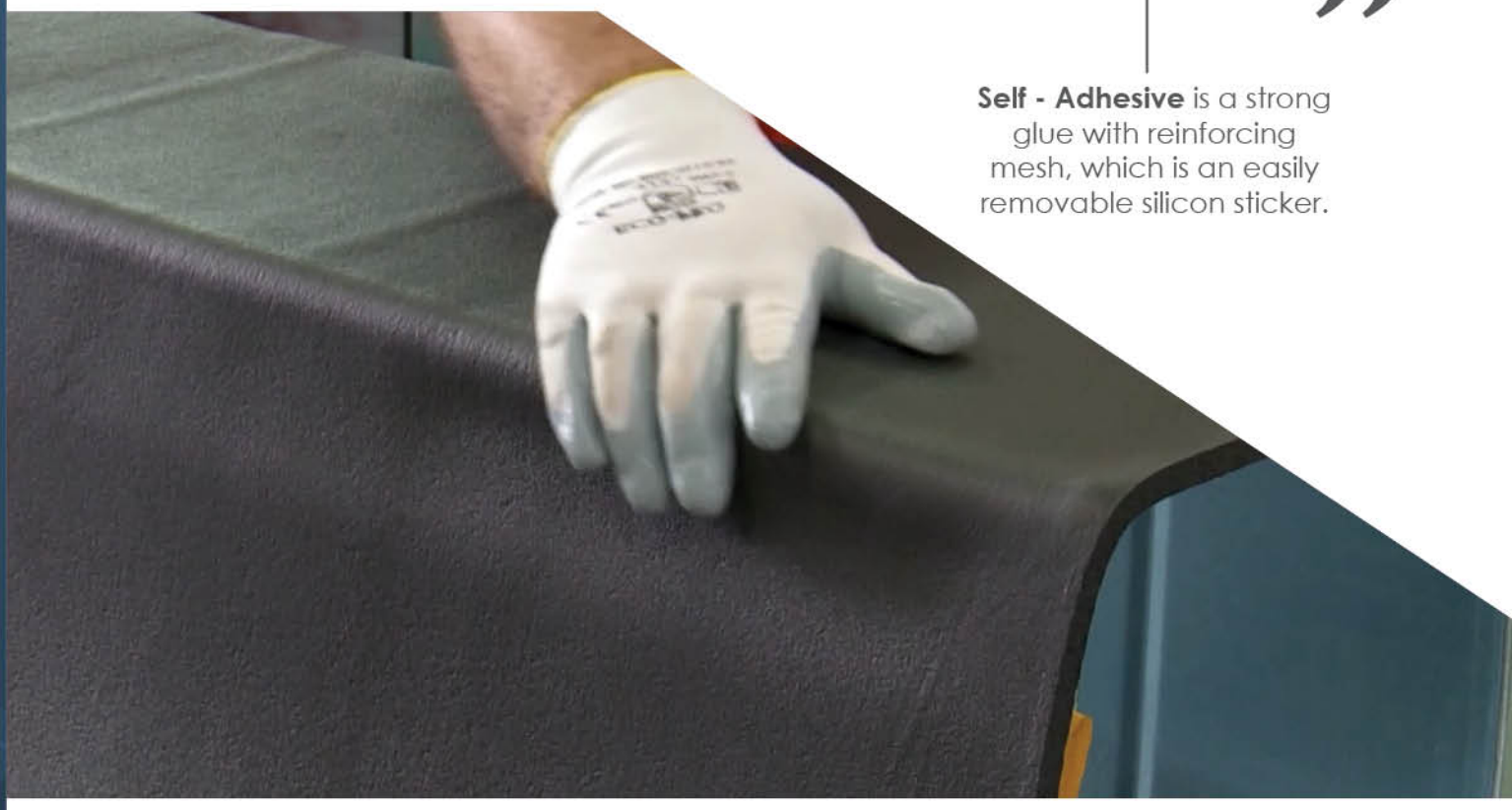
Available in Insulation of: ISOPIPE TC (+110°C)
Also available in: HP COVERING





Available with or without Self - Adhesive

Self - Adhesive is a strong glue with reinforcing mesh, which is an easily removable silicon sticker.





ISODUCT®

Thickness	Thickness Tolerance	Dimension Rolls	Packaging
mm - inch	mm	m	m^2
10 - 3/8"	± 1.5 mm	20 x 1.5	**30**
13 - 1/2"	± 1.5 mm	14 x 1.5	**21**
19 - 3/4"	± 2.0 mm	10 x 1.5	**15**
25 - 1"	± 2.0 mm	8 x 1.5	**12**
32 - 1 1/4"	± 2.5 mm	6 x 1.5	**9**
Tolerances		**Length ± 2,0% / Width ± 2,0%**	

Also available with HP Covering.

ISODUCT is available with Polyolefin (PO) release liner upon request.
Other dimensions and thicknesses available upon request.
The length of rolls may be supplied in 2 pieces.
Standard plastic bag size of rolls 100 x 225 cm
Dimensions marked with * are available upon request.
Meters per box can be amended without notification.

ISOSYSTEM®

INNOVATION! A custom - width sheet to accurately cover large pipes of any diameter, cut in angle to ensure proper fit and better edge bonding.

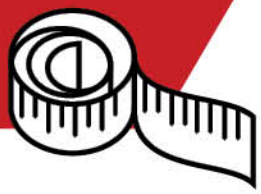
Engineered angle-cut ends ensure proper fit and firm application.
Easier to close firmly large and thick sheets.



ISOSYSTEM Benefits

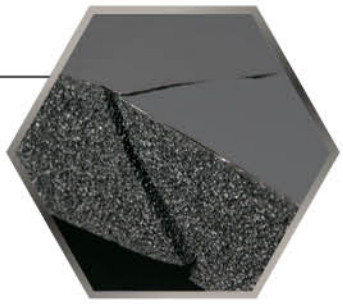
- Significant time saving due to measured pre-cut sheets. No need to calculate, measure or cut sheets.
- Eliminates material waste, which is common when single-sized sheets or rolls are used.
- Perfect-fit application due to engineered angle-cut endings. This assures parallel to the pipe bonding and larger adhesive surface.
- Innovative, attractive and professional appearance.
- Easy to handle, transport and store due to the 1 meter packaged and easy to carry carton.
- Available in thickness of: 13, 19, 25, 32, 40 mm and pipe diameter from 114 mm up to the desired diameter, after consulting our technical department.

Available in custom sizes upon request





Available in Insulation of: ISOPIPE TC (+110°C) or ISOPIPE HT-HF (+150°C).
Available in: SOLAR, HP & UV PLUS COVERINGS.
Also available with Self-Adhesive.

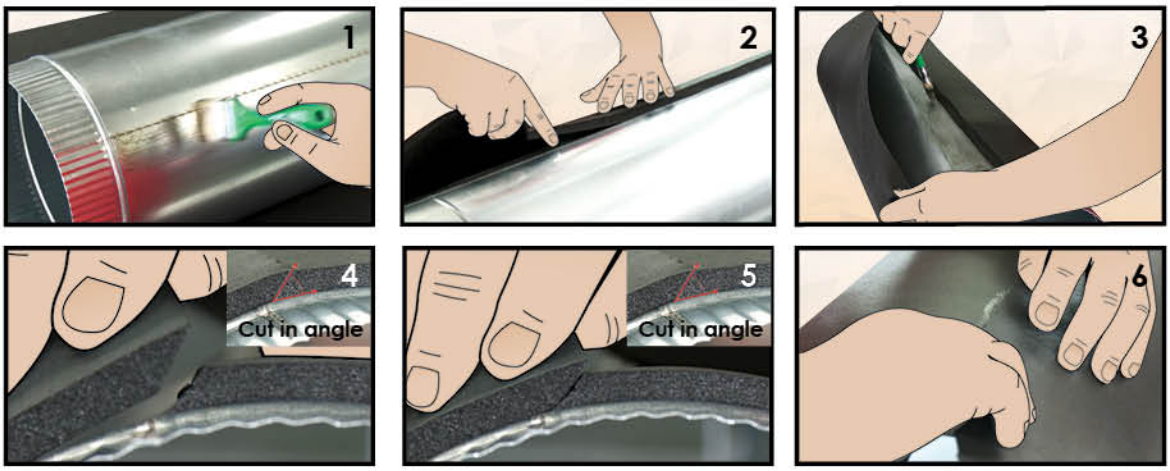


Engineered angle-cut ends ensure proper fit and firm closure.

Applications

- **Large diameter** pipe insulation.
- All Heating and Cooling pipe systems, where thermal insulation is required.

Installation Guide for ISOSYSTEM



1. Apply **ISOGLUE 255**, from one edge to another.
2. Place the insulation over the pipe.
3. Apply ISOGLUE 255 on the angled side of insulation.
4. Bring both sides of the insulation firmly together.
5. Hold the sides together for a while, for the glue to join.
6. Apply **ISOGLUE** on the ends to join more insulation pieces. Then, press firmly together to connect them.

When using **ISOSYSTEM** with **Self Adhesive**, please follow the same instructions without using ISOGLUE.

ISOSYSTEM® TC

OD	OD	Nominal Wall Thickness mm					
		13mm - 1/2"	19mm - 3/4"	25mm - 1"	32mm - 1 1/4"	40mm - 1 9/16"	50mm - 2"
mm	Inch	code	code	code	code	code	code
Ø 114	4 9/16"	13x114					
Ø 127	5"	13x127					
Ø 133	---	13x133	19x133	25x133			
Ø 139	5 1/2"	13x139	19x139	25x139			
Ø 152	6"	13x152	19x152	25x152			
Ø 156	---	13x156	19x156	25x156			
Ø 160	---	13x160	19x160	25x160	32x160	40x160	50x160
Ø 168	---	13x168	19x168	25x168	32x168	40x168	50x168
Ø 173			19x173	25x173			
Ø 203	8"	13x203	19x203	25x203	32x203	40x203	50x203
Ø 219	---	13x219	19x219	25x219	32x219	40x219	50x219
Ø 254	10"	13x254	19x254	25x254	32x254	40x254	50x254
Ø 273	---	13x273	19x273	25x273	32x273	40x273	50x273
Ø 305	12"	13x305	19x305	25x305	32x305	40x305	50x305
Ø 323	---	13x323	19x323	25x323	32x323	40x323	50x323
Ø 356	14"	13x356	19x356	25x356	32x356	40x356	50x356
Ø 406	16"	13x406	19x406	25x406	32x406	40x406	50x406
Ø 457	18"	13x457	19x457	25x457	32x457	40x457	50x457
Ø 508	20"	13x508	19x508	25x508	32x508	40x508	50x508
Thickness Tolerance		**± 1,5 mm**	**± 1,5 mm**	**± 2,0 mm**	**± 2,0 mm**	**± 2,0 mm**	**± 2,5 mm**

Also available with ISOPIPE TR Insulation.

Other dimensions and thicknesses available upon request.

Standard length for ISOSYSTEM 1 meter (± 1.5 %).

Standard carton size is 1.10X55x55 cm.

Dimensions marked with * are available upon request.

Meters per box can be amended without notification.



OD	OD	Nominal Wall Thickness mm				
		13mm - 1/2"	19mm - 3/4"	25mm - 1"	32mm - 1 1/4"	40mm - 1 9/16"
mm	Inch	code	code	code	code	code
Ø 114	4 9/16"	13x114				
Ø 127	5"	13x127				
Ø 133	---	13x133	19x133	25x133		
Ø 139	5 1/2"	13x139	19x139	25x139		
Ø 152	6"	13x152	19x152	25x152		
Ø 156	---	13x156	19x156	25x156		
Ø 160	---	13x160	19x160	25x160	32x160	40x160
Ø 168	---	13x168	19x168	25x168	32x168	40x168
Ø 203	8"	13x203	19x203	25x203	32x203	40x203
Ø 219	---	13x219	19x219	25x219	32x219	40x219
Ø 254	10"	13x254	19x254	25x254	32x254	40x254
Ø 273	---	13x273	19x273	25x273	32x273	40x273
Ø 305	12"	13x305	19x305	25x305	32x305	40x305
Ø 323	---	13x323	19x323	25x323	32x323	40x323
Ø 356	14"	13x356	19x356	25x356	32x356	40x356
Ø 406	16"	13x406	19x406	25x406	32x406	40x406
Ø 457	18"	13x457	19x457	25x457	32x457	40x457
Ø 508	20"	13x508	19x508	25x508	32x508	40x508
Thickness Tolerance		**± 1,5 mm**	**± 1,5 mm**	**± 2,0 mm**	**± 2,0 mm**	**± 2,0 mm**

Also available with ISOPIPE HT-HF Insulation.

SOLAR Covering is available in Silver, Black and White colour.

Other dimensions and thicknesses available upon request.

Standard length for ISOSYSTEM 1 meter (± 1.5 %).

Standard carton size is 1.10X55x55 cm.

Dimensions marked with * are available upon request.

Meters per box can be amended without notification.

ISOSYSTEM® TC

UV PLUS

OD	OD	Nominal Wall Thickness mm				
		13mm - 1/2"	19mm - 3/4"	25mm - 1"	32mm - 1 1/4"	40mm - 1 9/16"
mm	Inch	code	code	code	code	code
Ø 114	4 9/16"	13x114				
Ø 127	5"	13x127				
Ø 133	---	13x133	19x133	25x133		
Ø 139	5 1/2"	13x139	19x139	25x139		
Ø 152	6"	13x152	19x152	25x152		
Ø 156	---	13x156	19x156	25x156		
Ø 160	---	13x160	19x160	25x160	32x160	40x160
Ø 168	---	13x168	19x168	25x168	32x168	40x168
Ø 203	8"	13x203	19x203	25x203	32x203	40x203
Ø 219	---	13x219	19x219	25x219	32x219	40x219
Ø 254	10"	13x254	19x254	25x254	32x254	40x254
Ø 273	---	13x273	19x273	25x273	32x273	40x273
Ø 305	12"	13x305	19x305	25x305	32x305	40x305
Ø 323	---	13x323	19x323	25x323	32x323	40x323
Ø 356	14"	13x356	19x356	25x356	32x356	40x356
Ø 406	16"	13x406	19x406	25x406	32x406	40x406
Ø 457	18"	13x457	19x457	25x457	32x457	40x457
Ø 508	20"	13x508	19x508	25x508	32x508	40x508
Thickness Tolerance		± 1,5 mm	± 1,5 mm	± 2,0 mm	± 2,0 mm	± 2,0 mm



Also available with ISOPIPE HT-HF Insulation & HP Covering.

Other dimensions and thicknesses available upon request.

Standard length for ISOSYSTEM 1 meter (± 1.5 %).

Standard carton size is 1.10X55x55 cm.

Dimensions marked with * are available upon request.

Meters per box can be amended without notification.

		Nominal Wall Thickness mm		
OD	OD	13mm - 1/2"	19mm - 3/4"	25mm - 1"
mm	Inch	code	code	code
Ø 114	4 9/16"	13x114		
Ø 127	5"	13x127		
Ø 133	---	13x133	19x133	25x133
Ø 139	5 1/2"	13x139	19x139	25x139
Ø 152	6"	13x152	19x152	25x152
Ø 156	---	13x156	19x156	25x156
Ø 160	---	13x160	19x160	25x160
Ø 168	---	13x168	19x168	25x168
Ø 203	8"	13x203	19x203	25x203
Ø 219	---	13x219	19x219	25x219
Ø 254	10"	13x254	19x254	25x254
Ø 273	---	13x273	19x273	25x273
Ø 305	12"	13x305	19x305	25x305
Ø 323	---	13x323	19x323	25x323
Ø 356	14"	13x356	19x356	25x356
Ø 406	16"	13x406	19x406	25x406
Ø 457	18"	13x457	19x457	25x457
Ø 508	20"	13x508	19x508	25x508
Thickness Tolerance		**± 1,5 mm**	**± 1,5 mm**	**± 2,0 mm**

Also available in SOLAR & UV PLUS COVERING.

Other dimensions and thicknesses available upon request.

Standard length for ISOSYSTEM 1 meter (± 1.5 %).

Standard carton size is 1.10X55x55 cm.

Dimensions marked with * are available upon request.

Meters per box can be amended without notification.

ISOSOL

PRE-INSULATED PIPES

NOW we pre-insulate any kind of pipe you ask us to!

The modern solution towards time and money savings

The high quality and wide range of our bare pipes in combination with ISOPIPE S.A.'s expertise in closed-cell synthetic rubber elastomeric foam, offer an ergonomic and highly functional product, **ISOSOL Pre - Insulated Pipes.**



Available in White Colour.



With or Without Cable

ISOSOL Benefits

- Lightweight, resistant and flexible.
- Easy to transport and install in any industrial or domestic application.
- Meets all the standards for sustainable construction.
- It is marked at meter intervals enabling the technician to cut and use the exact amount of material needed.
- It helps in saving time to every professional during installation.
- It makes installation easier, as there is no need to measure, cut, join and glue.
- Available with **ISOPIPE TC (+110°C)** or **ISOPIPE HT-HF (+175°C)** Insulation and our **SOLAR protective Covering in White Colour.**

“Saving you time! Saving you money!”

Applications

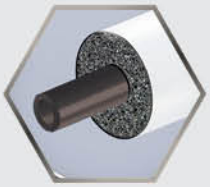
TC HT-HF SOLAR*

INOX



DN 12 - DN 25

PE



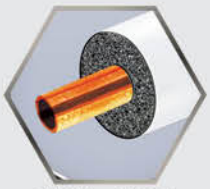
15 mm - 22 mm

PERT-AL-PERT



16 mm - 26 mm

COPPER



1/4" - 3/4"
6 mm - 22 mm

* SOLAR Covering is available in White colour.
ISOSOL are produced from 10 m to 50 m.

ENERGY SAVING over 60%

CE Covers European and International Regulations

Without ISOSOL



With ISOSOL





A wide range of applications

Heating | Plumbing | Air Conditioning | Refregeration | Solar Energy | Steam

ISOSOL TC
SOLAR TWIN

Now available in ISOSOL TWIN!

ISOSOL TWIN is now available with a new design which offers quick and easy installation.
The connection of the tubes is performed with a special protective film, which allows easy separation at the desired length.

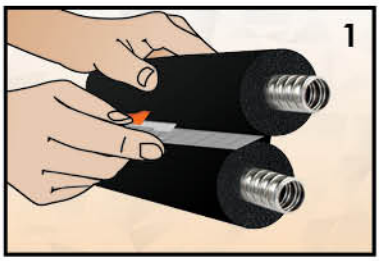


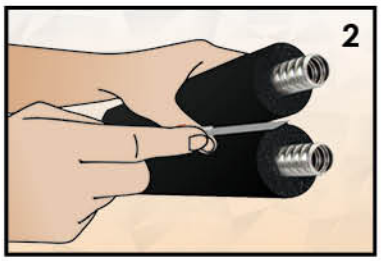
With or without cable

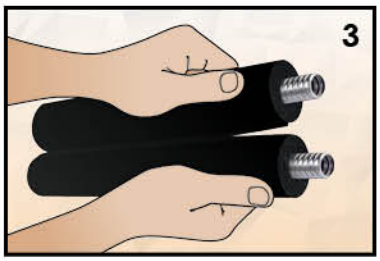
ISOSOL TWIN Benefits

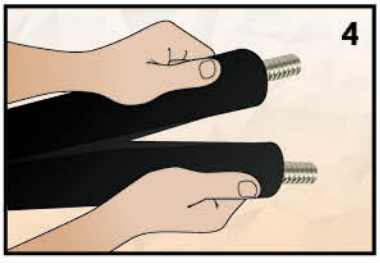
- High temperature elastomeric insulation provided in two connected tubes.
- **Fast and easy connection/ installation.**
- **Specially designed to minimize heat loss**, while having high resistance to chemicals and atmospheric agents.
- Available with **ISOPIPE TC (+110°C)** or **ISOPIPE HT-HF (+175°C)** Insulation and our **SOLAR protective Covering in Black Colour.**

Instructions for ISOSOL TWIN INOX









1-2. Using a small knife, cut the thinner part, exactly in the middle of the film, between the tubes, approximately 2 cm (see pictures 1 and 2).

3-4. With your hands split the tubes until the desired length (see pictures 3 and 4).

At the point we need to put an end either at the beginning or at the end, of the bobbin, a tape should be inserted, in order to prevent the tube from separating.

For more information please refer to ISOPIPE TC, ISOPIPE HT-HF & SOLAR COVERING Brochures.

ENERGY SAVING over 60%

INOX

ISOSOL TC SOLAR



With or without cable

Internal Diameter	External Diameter	Thickness	Insulation Thickness
DN 12	16	0,18 mm	Available in 9mm, 13mm, and 19mm
DN 16-3/4	21	0,18 mm	
DN 20-1	26	0,18 mm	
DN 25	32	0,20 mm	Available in 13mm

Available in coils 25m & 50m.

Available in ISOPIPE HT-HF SOLAR upon request.
Other dimensions and thicknesses available upon request.
Standard carton size is 78 x 78 cm.
Dimensions marked with * are available upon request.
Meters per box can be amended without notification.

ISOSOL TC SOLAR TWIN



ISOPIPE TC SOLAR TWIN with cable			
Internal Diameter	External Diameter	Thickness	Insulation Thickness
DN 12	16	0,18 mm	13mm
DN 16-3/4	21	0,18 mm	
DN 20-1	26	0,18 mm	
DN 25	32	0,20 mm	
DN 12	16	0,18 mm	19mm
DN 16-3/4	21	0,18 mm	
DN 20-1	26	0,18 mm	

Available in coils 25m & 50m.

Available in ISOPIPE TC SOLAR TWIN without Cable upon request.
Available in ISOPIPE HT-HF SOLAR TWIN with or without Cable upon request.

Other dimensions and thicknesses available upon request.
Standard carton size is 102 x 102 cm.
Dimensions marked with * are available upon request.
Meters per box can be amended without notification.

Stainless Steel Corrugated Flexible Pipe AISI-316L

Stainless Steel Corrugated Flexible Pipe AISI-316L is a pipe made of high quality stainless steel AISI-316L, which is easy to bent and very easily installed. With operating temperature range from -270°C to +700°C, it surpasses the common pressure and temperature requirements and is suitable for a wide range of applications.

Benefits

- **Flexible body**
  Easy to bent by hand, thus making installation easy. It is supported by plain metal clamps. Moreover, it does not transfer vibrations or forces so it is ideal for connections in heat pumps, fan coils and pumping stations.
- **Designed for Easy Installation**
  No intermediate connections and welding required. A single person might install it in almost 1/3 of the time, without any intermediate connections, without cutting and welding for each building obstacle and direction change of the routing. The risk of leakage is eliminated due to the use of one-piece pipes.
- **Low Installation Cost**
  Labour cost of works is reduced, due to the easy installation and minimum time required.
- **High Resistance to Pressure and Temperature**
  It is made of high quality stainless steel AISI-316L. Pipe operating temperature range from -270°C to +700°C, features that by far surpass the pressure and temperature requirements of common applications. Even if above limits are exceeded, the pipe withstands much higher pressure and temperature (we only have pipe shape deformation).



Applications

- Heating installations
- Solar and forced circulation systems
- Plumbing water supply networks
- Installations and connections in air conditioning systems
- Connections in ventilation networks
- Chemical and petrochemical installations
- For oil and gas processing networks
- Shipbuilding and aerospace applications
- Drilling
- In food processing plants

Easier and faster installaton than any kind of piping so it reduces up to 75% the completion time of the installation.

INOX Flexible Pipe AISI-316L

ISOSOL
PRE-INSULATED PIPES

INOX Tubes AISI-316L



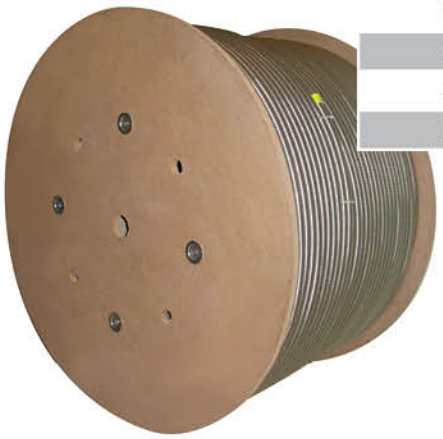
Internal Diameter	External Diameter	Thickness
DN 12	16	0,18 mm
DN 16	21	0,18 mm
DN 20	26	0,18 mm
DN 25	32	0,20 mm

Available in bobbins 20m, 25m & 50m.

Working Temperature -270˚C to +700˚C.

Pipe length of 10m & 15m contain 2 coils per box.
Pipe length of 20m & 25m contain 1 coil per box.
Other coil lengths available upon request.

INOX Tubes, Bobbin AISI-316L



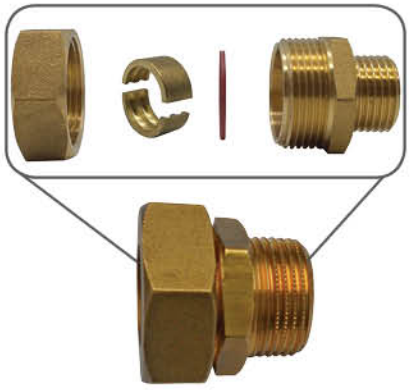
Internal Diameter	External Diameter	Thickness	Package
DN 12	16	0,18 mm	1500 m
DN 16	21	0,18 mm	1210 m
DN 20	26	0,18 mm	950 m
DN 25	32	0,20 mm	700 m

Other dimensions and thicknesses available upon request.
Dimensions marked with * are available upon request.
Meters per box can be amended without notification.

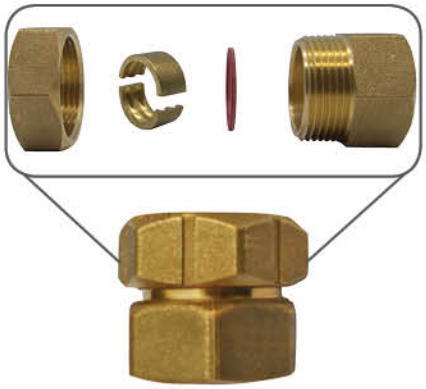
CW 617N

INOX Accessories

Guaranteed Quality, EN 12165, EN 12164/5, ISO 7
Certified COPPER content 58-60%



Male Union	
Diameter	Pack.
21-16x1/2	5
21-16x3/4	5
26-20x3/4	5
26-20x1	5



Female Union	
Diameter	Pack.
21-16x3/4	5
26-20x1	5



Male Nipple	
Diameter	Pack.
1/2x1/2	10
3/4x3/4	10
1x1	5
1 1/4x1 1/4	5



Female BR Nut with Ring & Gasket	
Diameter	Pack.
1/2	10
3/4	10
1	5
1 1/4	5



Hammer	
	Pack.
Hammer	1



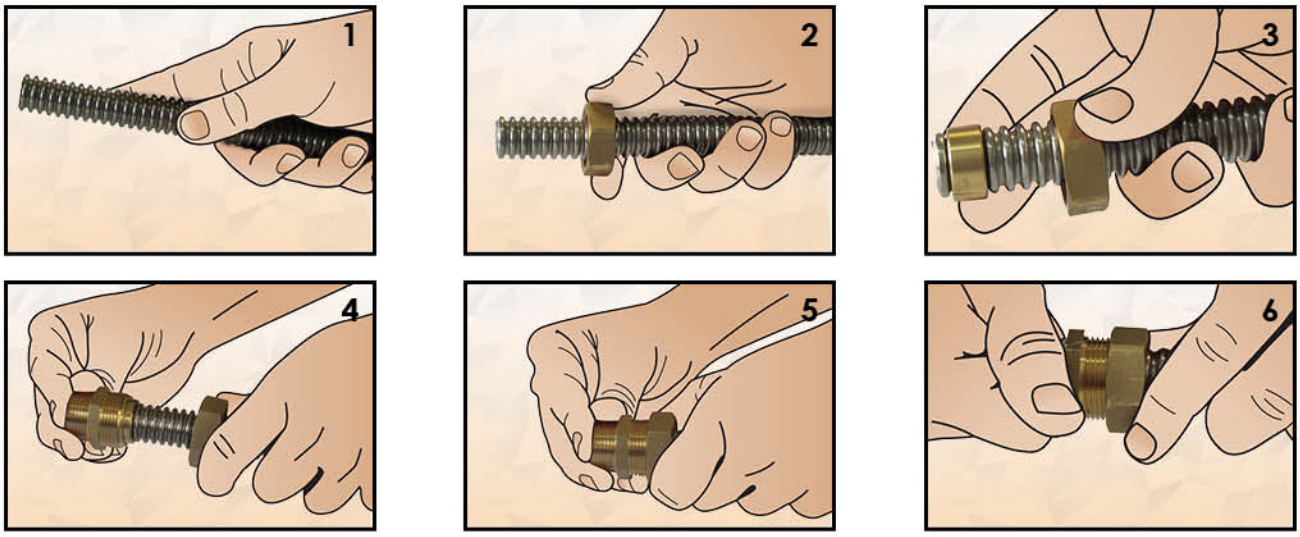
Hammer Die	
Diameter	Pack.
12x1/2	1
21-16x3/4	1
26-20x1	1
32-25	1

Other dimensions and thicknesses available upon request.
Dimensions marked with * are available upon request.
Meters per box can be amended without notification.

INOX Accessories Installation Methods

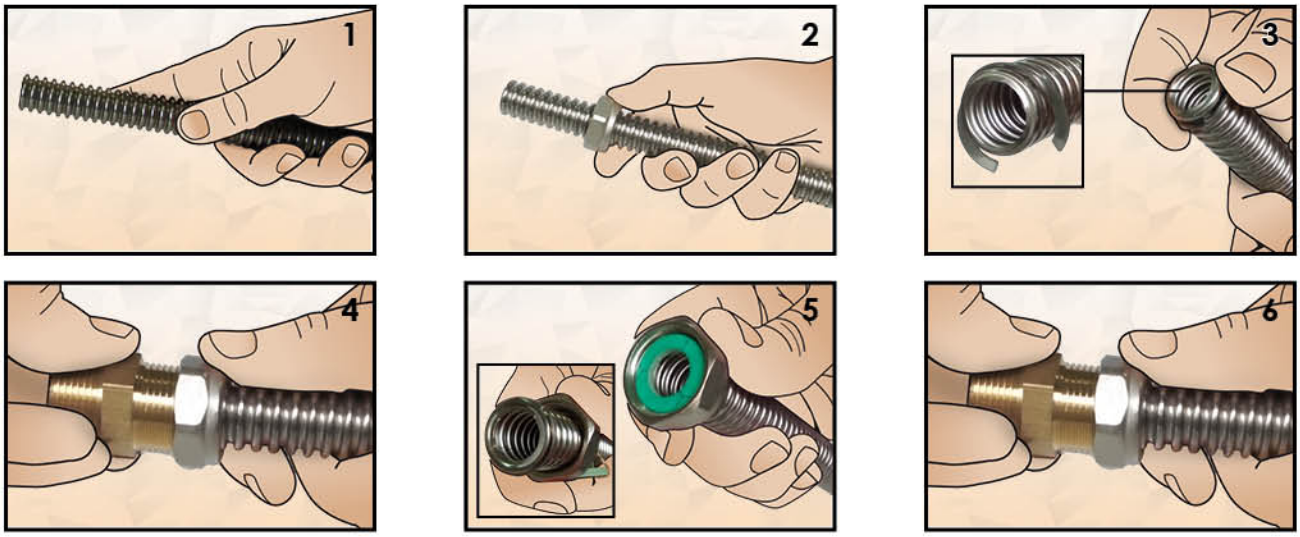
ISOSOL
PRE-INSULATED PIPES

1. Using the INOX Fittings



1. Hold the stainless steel pipe.
2. Place the female brass union around the INOX pipe.
3. Place the double crecent ring at the pipe's edge while leaving one corrugation.
4. Above the ring, place the male union.
5. Connect the male with the female brass union.
6. Ready!

2. Female Brass Nut with INOX Ring



1. Hold the stainless steel pipe.
2. Place the female brass nut around the INOX pipe.
3. Place the INOX ring one corrugation below the upper edge of the pipe and then press it's edges together.
4. Bring the female brass nut at the edge of the pipe until it reaches the INOX ring, and connect the special male nipple in the nut, so as to create a flat surface on the pipe's edge.

Note: This process should be completed cautiously, since it is important to have a flat surface on the pipe's edge, which will prevent future hydraulic failures.

5. Remove the special male nipple and place the klingerit gasket inside the female brass nut.
6. Then place any male fitting. Ready!

ISOSOUND®

Sound Absorption and High Performance Acoustic Insulation

ISOSOUND is a new sound absorption and sound insulation product of high performance, specially designed to meet the most demanding requirements for sound isolation. The material is composed of open - cell flexible elastomeric foam based on synthetic rubber.

It offers very high acoustic energy absorption (absorption coefficient up to 0.98) and promises noise control and a healthier soundspace.

ISOSOUND has equally very good sound insulation properties with weighted sound reduction index:

Rw(C;Ctr) of 40(-2;-7) dB at 150 kgr/m³ density and Rw(C;Ctr) of 43(-1;-5) dB at 250 kgr/m³ density, measured in sound insulation partitions. (University of Aristotle, Thessaloniki, Greece).

Fire Behaviour

ISOSOUND does not produce fire particles and prevents flame propagation. It provides safe heat properties and is recommended as the ideal choice for residential areas and public buildings.
> Class 1

Density

ISOSOUND products produced with the abovementioned density levels have achieved values of 150 kgr / m³ and 250 kgr / m³. The particular density levels offer excellent sound absorption properties.

Cell Structure

The open cell structure of ISOSOUND with its complex special geometry allows efficient sound absorption either through the air or through solids.



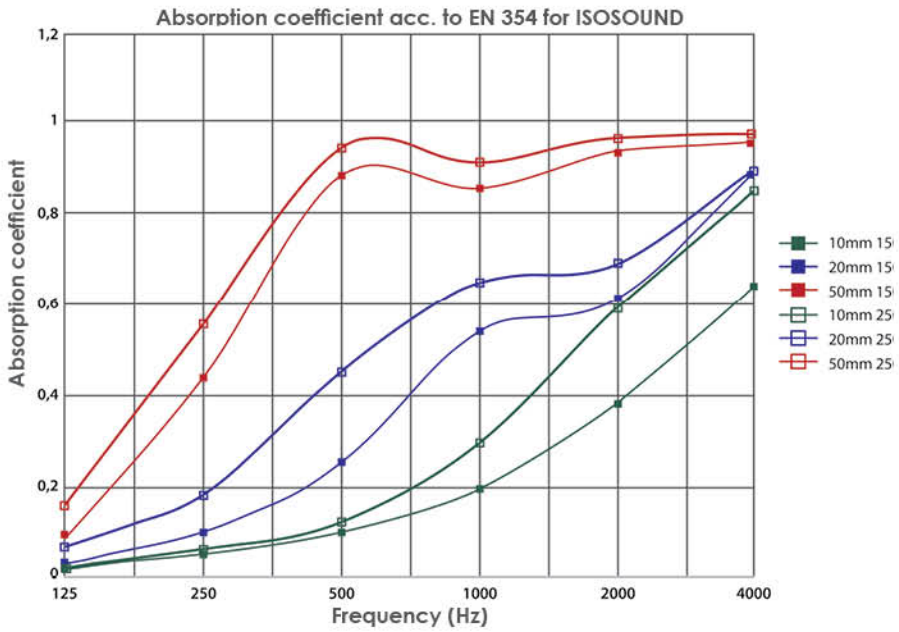


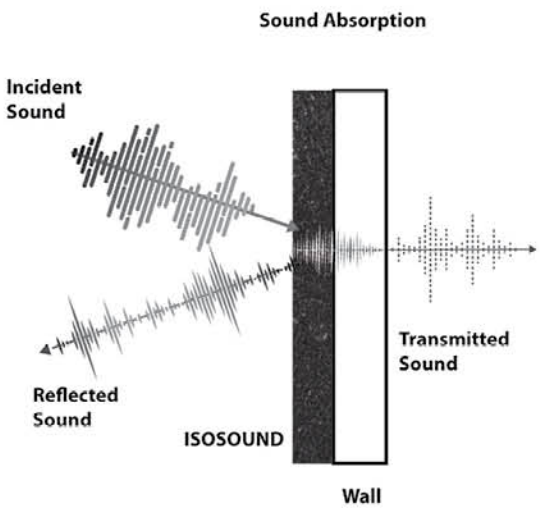
ISOSOUND®

Thickness	m^2 /CARTON	Dimensions	Sheets
10 mm	15	1m x 1m	Available in 150 kg/m^3 and 250 kg/m^3
15 mm	10	1m x 1m	
20 mm	7	1m x 1m	
25 mm	6	1m x 1m	



ISOSOUND is available with or without Self - Adhesive upon request.
Other dimensions and thicknesses upon request.
Dimensions marked with * are available upon request.
Meters per box can be amended without notification.







ISOGLUE | ISOTAPE
ISOCOVER | ISOCLAMPS

ACCESSORIES



Perfect solutions for perfect results!

ISOGLUE®

255

High Quality glue for rubber insulation

ISOGLUE 255 is a solvent based contact adhesive designed specially for uniform and safe seam bonding of flexible insulation materials like elastomeric pipes and sheets applied on high temperature lines. Suitable for application on pipes and tanks with service temperatures up to **120°C.**



ISOGLUE 255 Benefits

- Fully compatible glue for joining ISOPIPE TC, ISOPIPE TR and ISOPIPE HT-HF insulation.
- Achieving strong and homogeneous rubber bonding.
- Temperature Range up to 120°C.
- ISOGLUE 255 is available in: 250 ml, 500 ml & 1000 ml.

Description	Packaging
	Unit/ Ctr
ISOGLUE 250 ml with brush	20
ISOGLUE 500 ml	12
ISOGLUE 1000 ml	12
ISOGLUE 1 gallon	5

Units per carton can be amended without notification.

Technical Data

Properties	Technical Data
	ISOGLUE 255
Chemical Base	Polychoroprene Rubber with resins.
Solids Content	21,5 ±1%.
Viscosity	1800 ± 300 cps. (Brookfield RVT sp.n°4 @ 25°C)
Application	Roller, Brush or Spatula
Coverage	3-4 m²/ litre
Storage	Store in original unopened containers at temperatures between 5°C - 40°C.
Product Life	18 months can be expected if stored in above-mentioned conditions.

The mentioned values are these which have been measured in our laboratory, under typical conditions.
They can be modified without prior notice. You are kindly requested to assert their validity before any special use.

ISOGLUE®

HT 150

High Quality glue for rubber insulation

ISOGLUE HT 150 is a solvent based (Toluene Free) contact adhesive designed specially for uniform and safe seam bonding of flexible insulation materials like elastomeric pipes and sheets applied on high temperature lines. Suitable for application on pipes and tanks with service temperatures up to **150°C**.

ISOGLUE HT 150 Benefits

- Fully compatible glue for joining ISOPIPE TC ISOPIPE TR and ISOPIPE HT-HF insulation.
- Achieving strong and homogeneous rubber bonding.
- ISOGLUE HT 150 is Toluene Free.
- Temperature Range up to 150°C.
- ISOGLUE HT 150 is available in: 250 ml, 500 ml & 1000 ml.



Description	Packaging
	Unit/ Ctr
ISOGLUE HT 150 250 ml with brush	20
ISOGLUE HT 150 500 ml with brush	12
ISOGLUE HT 150 1000 ml with brush	12

Units per carton can be amended without notification.

Technical Data

Properties	Technical Data
	ISOGLUE HT 150
Chemical Base	Polychloroprene Rubber with resins.
Solids Content	28 ±1%.
Viscosity	4000 ± 500 cps. (Brookfield RVT sp.n°4 @ 25°C)
Application	Roller, Brush or Spatula
Coverage	3-4 m²/ litre
Storage	Store in original unopened containers at temperatures between 5°C - 40°C.
Product Life	18 months can be expected if stored in above-mentioned conditions.

The mentioned values are these which have been measured in our laboratory, under typical conditions.
They can be modified without prior notice. You are kindly requested to assert their validity before any special use.

ISOTAPE®

Self-adhesive Insulation Tape

Pressure sensitive rubber insulation tape ideal for pipes, fittings and other tight areas where pipe insulation cannot be applied. Appropriate for cold and hot water applications.
Self adhesive reinforced with mesh scrim for extra support.



Interior Use

ISOTAPE S/A insulation tape Benefits

- Highly effective and strong adhesive tape is used for insulating difficult areas or gaps between insulation.
- Fast and easy installation.
- Closed cell structure with antimicrobial product protection.
- **Moisture and mold resistant.**
- Available in lengths of 10 m, 15 m & 30 m and in width of 50 mm.

Description	Length	Width	Packaging
	m	mm	Unit/ Ctr
TC Insulation S/A tape	**10 m**	**50 mm**	10
TC Insulation S/A tape	**15 m**	**50 mm**	10
TC Insulation S/A tape	**30 m**	**50 mm**	10

Units per carton can be amended without notification.

Technical Data

Properties	Technical Data
	ISOTAPE S/A
Length	10m, 15m & 30m
Width	50mm
Support	PES/ PVA scrim
Interliner	Yellow 90g/ m^2 double sided siliconized
Adhesive Weight	63g/ m^2
Adhesive Thickness	60μm
Upper Temperature (°C)	+90°C
Lower Temperature (°C)	-40°C
Adhesive Strength (based on AFERA 5001)	min 18 N/ 25mm
Colour	Black

The mentioned values are these which have been measured in our laboratory, under typical conditions.
They can be modified without prior notice. You are kindly requested to assert their validity before any special use.

ISOTAPE®

SOLAR Polymer

Specially designed self adhesive tape, to be combined with SOLAR COVERING.
Provides excellent weather and UV protection as well as permeability resistance.

ISOTAPE SOLAR Polymer Benefits

- Perfect for use with SOLAR Covering.
- Strong and durable tape, suitable for protection and insulation joints.
- Excellent UV resistance.
- Very long lifetime.
- Available with internal release liner.
- Available in Silver, Black and White colour.
- Available in lengths of 10 m & 25 m and in width of 50 mm.

Exterior Use



Description	Length	Width	Packaging
	m	mm	Unit/ Ctr
SOLAR Polymer	10 m	50 mm	24
SOLAR Polymer	25 m	50 mm	24

Units per carton can be amended without notification.

Technical Data

Properties	Technical Data
	ISOTAPE SOLAR Polymer
Length	10m & 25m
Width	50mm
Support	
Interliner	Yellow 90g/ m² double sided siliconized
Adhesive Weight	70g/ m²
Adhesive Thickness	70µm
Upper Temperature (°C)	+90°C
Lower Temperature (°C)	-40°C
Adhesive Strength (based on AFERA 5001)	22 N/ 25mm
Colour	Silver, Black & White

The mentioned values are these which have been measured in our laboratory, under typical conditions.
They can be modified without prior notice. You are kindly requested to assert their validity before any special use.

ISOTAPE®

PVC

Based on a premium grade Plasticized Polyvinyl Chloride (PVC) film, coated with a non-thermosetting rubber-resin adhesive with good aging characteristics. Designed to be highly conformable and pursuant by moisture and other chemicals.

Exterior Use



ISOTAPE PVC Benefits

- Strong and durable tape, suitable for protection and insulation joints.
- Solar energy resistant because of UV Protection.
- Fast and easy installation due to the large width.
- Wide temperature range performance.
- Long lifetime.
- Available in Black and White colour.
- Available in length of 33 m and in width of 50 mm.

Description	Length	Width	Packaging
	m	mm	Unit/ Ctr
White PVC	**33 m**	**50 mm**	40
Black PVC	**33 m**	**50 mm**	40

Units per carton can be amended without notification.

Technical Data

Properties	Technical Data
	ISOTAPE PVC
Length	33m
Width	50mm
Interliner	
Adhesive Weight	70g/ m²
Adhesive Thickness	70µm
Upper Temperature (°C)	+100°C
Lower Temperature (°C)	-40°C
Adhesive Strength (based on AFERA 5001)	40 N/ 25mm
Colour	Black & White

The mentioned values are these which have been measured in our laboratory, under typical conditions.
They can be modified without prior notice. You are kindly requested to assert their validity before any special use.

UV PLUS Pet-Al-Pe

Aluminum tape with high resistance to UV rays and atmospheric agents, specially designed for combination with UV Plus Covering.

ISOTAPE UV PLUS Pet-Al-Pe Benefits

- Very strong and durable tape, suitable for protection and insulation joints.
- Wide temperature range performance.
- Excellent mechanical properties.
- Excellent water vapour resistance.
- Long lifetime.
- Available in Aluminum colour.
- Available in lengths of 10 m & 25 m and in width of 50 mm.



Exterior Use



Description	Length	Width	Packaging
	m	mm	Unit/ Ctr
UV PLUS Pet-Al-Pe	**10 m**	**50 mm**	24
UV PLUS Pet-Al-Pe	**25 m**	**50 mm**	24

Units per carton can be amended without notification.

Technical Data

Properties	Technical Data
	ISOTAPE UV PLUS Pet-Al-Pe
Length	10m & 25m
Width	50mm
Interliner	Yellow 90g/ m² double sided siliconized
Adhesive Weight	70g/ m²
Adhesive Thickness	70μm
Upper Temperature (°C)	+100°C
Lower Temperature (°C)	-40°C
Adhesive Strength (based on AFERA 5001)	22 N/ 25mm
Colour	Aluminum

The mentioned values are these which have been measured in our laboratory, under typical conditions.
They can be modified without prior notice. You are kindly requested to assert their validity before any special use.

ISOCLAMPS

Eliminating Insulation Gaps

ISOCLAMPS are used to eliminate insulation gaps and reduce the possibility of thermal bridge, during the support of the insulated tubing (made by collar or metal bracket), in refrigeration or heating installations. They are suggested for applications where the temperature is between **-45°C to 105°C.**

Type of Material: Polyurethane (PU) foam with rubber insulation on both sides and PVC covering, with self- adhesive.



ISOCLAMPS Benefits

- Allow the tube to contract and expand.
- Prevent electrolysis between pipe and clamp.
- Creates thermal insulation in holding points.
- **Delivered with or without metal clamps.** The metal clamps are M8 - M10.

> **“The optimal solution for supporting installations and eliminating insulation gaps”**



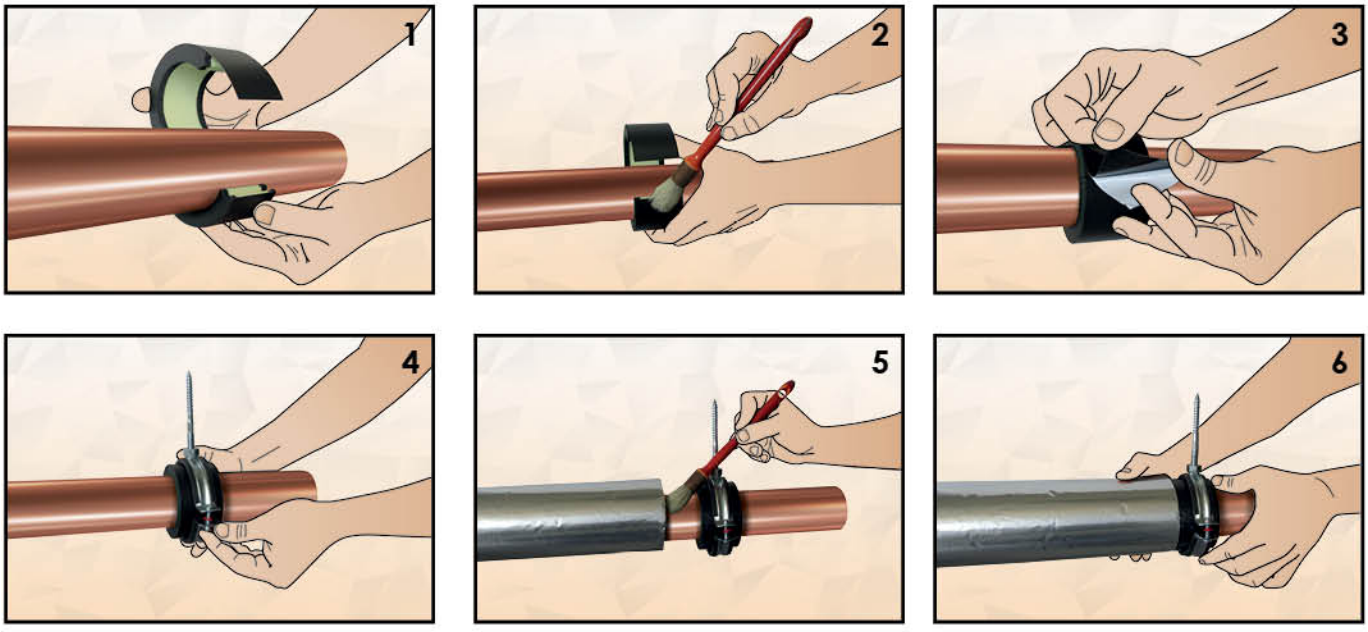


Technical Data

Physical Properties	Technical Data	
	80 kg/m³ rubber	120 kg/m³ rubber
Temperature Range (°C)	between -45°C and 105°C	
Fireproof	B2 (according to DIN 4102)	
Water Vapour Resistance	μ > 7000	
Storage Period	12 months (above 10°C)	
Colour	Black	
Tolerance	**Inner:** ±0,5 mm **Outer:** ±1 mm	
Thermal Conductivity (λ) (W/mK) EN 1602	0.024 - 0.026	0.030 - 0.032
Biras Pressure EN 826	0.67 - 0.75	1.9 - 2.1
Processing Temperature (°C)	around 10°C	

The mentioned values are these which have been measured in our laboratory, under typical conditions.
They can be modified without prior notice. You are kindly requested to assert their validity before any special use.

Installation Guide for ISOCLAMPS



1. Open the ISOPIPE Clamp and place/ install it at the point where you will apply the support.
2. Coat with the special glue, ISOGLUE at the edges of ISOPIPE Clamp and close it.
3. Seal the ISOPIPE Clamp with the adhesive tape which is located in the upper level of the ISOPIPE Clamp.
4. Place/ Install the support mechanism/ wood screw clamp above ISOPIPE Clamp.
5. Coat with the special glue, ISOGLUE at the edges of ISOPIPE insulation pipes.
6. Join/ Connect the ISOPIPE insulation with ISOPIPE Clamp in order to complete the installation.

Important
The thickness of the ISOCLAMP should be the same as that of the ISOPIPE isolating material.

ISOCLAMPS



Metal Clamp
The metal clamps are M8 - M10.



PU Clamps



Set

External Pipe Diameter				Thickness 13 mm			
Fe	Cu		PP	Tighten Range	Code	PU	SET Clamps
Inch	mm	Inch	-			Unit/Crt	Unit/Crt
-	Ø 12	1/2"	-	**39 - 45**	**13x12**	320	160
1/4"	Ø 15	5/8"	-	**39 - 45**	**13x15**	252	126
3/8"	Ø 18	3/4"	-	**44 - 53**	**13x18**	224	112
1/2"	Ø 22	7/8"	-	**44 - 53**	**13x22**	192	96
3/4"	Ø 28	1 1/8"	-	**55 - 65**	**13x28**	140	70
1"	Ø 35	1 3/8"	-	**55 - 65**	**13x35**	120	60
1 1/4"	Ø 42	1 5/8"	Ø 40	**62 - 72**	**13x42**	80	40
1 1/2"	Ø 48	1 7/8"	-	**71 - 77**	**13x48**	76	38
-	Ø 54	2 1/8"	Ø 50	**76 - 84**	**13x54**	64	32
2"	Ø 60	2 3/8"	-	**82 - 92**	**13x60**	60	30
-	Ø 64	2 1/2"	Ø 63	**82 - 92**	**13x64**	48	24
2 1/2"	Ø 76	3"	Ø 75	**95 - 105**	**13x76**	36	18
-	80	-	-	**106 - 115**	**13x80**	32	16
-	88	-	-	**116 - 126**	**13x88**	24	12
-	Ø 101	4"	-	**125 - 132**	**13x101**	24	12
3 1/2"	Ø 108	4 1/4"	Ø 110	**133 - 143**	**13x108**	20	10
4"	Ø 114	4 9/16"	-	**133 - 143**	**13x114**	20	10

The metal clamps are M8 - M10 nut.

Thickness of ISOCLAMPS needs to be same with ISOPIPE insulation.

Standard carton size is 39.4 x 29.4 x 21.5 cm.

Other sizes available upon request.

Dimensions marked with * should be consulted for price and availability.

Units per carton can be amended without notification.

ISOCLAMPS



Metal Clamp
The metal clamps are M8 - M10.



PU Clamps



Set

External Pipe Diameter				Thickness 19 mm			
Fe	Cu		PP	Tighten Range	Code	PU	SET Clamps
Inch	mm	Inch	-			Unit/Crt	Unit/Crt
-	Ø 10	3/8"	-	**44 - 53**	**19x10**	192	96
-	Ø 12	1/2"	-	**44 - 53**	**19x12**	168	84
1/4"	Ø 15	5/8"	-	**44 - 53**	**19x15**	140	70
3/8"	Ø 18	3/4"	-	**55 - 65**	**19x18**	140	70
1/2"	Ø 22	7/8"	-	**55 - 65**	**19x22**	120	60
3/4"	Ø 28	1 1/8"	-	**62 - 72**	**19x28**	100	50
1"	Ø 35	1 3/8"	-	**71 - 77**	**19x35**	80	40
1 1/4"	Ø 42	1 5/8"	Ø 40	**76 - 84**	**19x42**	64	32
1 1/2"	Ø 48	1 7/8"	-	**82 - 92**	**19x48**	60	30
-	Ø 54	2 1/8"	Ø 50	**82 - 92**	**19x54**	48	24
2"	Ø 60	2 3/8"	-	**95 - 105**	**19x60**	48	24
-	Ø 64	2 1/2"	Ø 63	**95 - 105**	**19x64**	36	18
2 1/2"	Ø 76	3"	Ø 75	**116 - 126**	**19x76**	24	12
-	80	-	-	**116 - 126**	**19x80**	24	12
-	88	-	-	**125 - 132**	**19x88**	24	12
-	Ø 101	4"	-	**133 - 143**	**19x101**	20	10
3 1/2"	Ø 108	4 1/4"	Ø 110	**146 - 155**	**19x108**	20	10
4"	Ø 114	4 9/16"	-	**146 - 155**	**19x114**	12	6
5"	Ø 139	5 1/2"	-	**179**	**19x139**	8	4

The metal clamps are M8 - M10 nut.

Thickness of ISOCLAMPS needs to be same with ISOPIPE insulation.

Standard carton size is 39.4 x 29.4 x 21.5 cm.

Other sizes available upon request.

Dimensions marked with * should be consulted for price and availability.

Units per carton can be amended without notification.

ISOCLAMPS



Metal Clamp
The metal clamps are M8 - M10.



PU Clamps



Set

External Pipe Diameter				Thickness 25 mm			
Fe	Cu		PP	Tighten Range	Code	PU	SET Clamps
Inch	mm	Inch	-			Unit/Crt	Unit/Crt
-	Ø 12	1/2"	-	**55 - 65**	**25x12**	120	60
1/4"	Ø 15	5/8"	-	**62 - 72**	**25x15**	100	50
3/8"	Ø 18	3/4"	-	**62 - 72**	**25x18**	80	40
1/2"	Ø 22	7/8"	-	**71 - 77**	**25x22**	80	40
3/4"	Ø 28	1 1/8"	-	**76 - 84**	**25x28**	64	32
1"	Ø 35	1 3/8"	-	**82 - 92**	**25x35**	60	30
1 1/4"	Ø 42	1 5/8"	Ø 40	**82 - 92**	**25x42**	48	24
1 1/2"	Ø 48	1 7/8"	-	**95 - 105**	**25x48**	48	24
-	Ø 54	2 1/8"	Ø 50	**106 - 115**	**25x54**	36	18
2"	Ø 60	2 3/8"	-	**106 - 115**	**25x60**	32	16
-	Ø 64	2 1/2"	Ø 63	**106 - 115**	**25x64**	24	12
2 1/2"	Ø 76	3"	Ø 75	**125 - 132**	**25x76**	24	12
-	80	-	-	**125 - 132**	**25x80**	20	10
-	88	-	-	**133 - 143**	**25x88**	20	10
-	Ø 101	4"	-	**146 - 155**	**25x101**	12	6
3 1/2"	Ø 108	4 1/4"	Ø 110	**159 - 168**	**25x108**	12	6
4"	Ø 114	4 9/16"	-	**159 - 168**	**25x114**	12	6
5"	Ø 139	5 1/2"	-	**190**	**25x139**	8	4

The metal clamps are M8 - M10 nut.

Thickness of ISOCLAMPS needs to be same with ISOPIPE insulation.

Standard carton size is 39.4 x 29.4 x 21.5 cm.

Other sizes available upon request.

Dimensions marked with * should be consulted for price and availability.

Units per carton can be amended without notification.



Metal Clamp
The metal clamps are M8 - M10.



PU Clamps



Set

External Pipe Diameter				Thickness 32 mm			
Fe	Cu		PP	Tighten Range	Code	PU	SET Clamps
Inch	mm	Inch	-			Unit/Crt	Unit/Crt
-	Ø 12	1/2"	-	**76 - 84**	**32x12**	64	32
1/4"	Ø 15	5/8"	-	**76 - 84**	**32x15**	64	32
3/8"	Ø 18	3/4"	-	**82 - 92**	**32x18**	60	30
1/2"	Ø 22	7/8"	-	**82 - 92**	**32x22**	60	30
3/4"	Ø 28	1 1/8"	-	**95 - 105**	**32x28**	48	24
1"	Ø 35	1 3/8"	-	**95 - 105**	**32x35**	48	24
1 1/4"	Ø 42	1 5/8"	Ø 40	**106 - 115**	**32x42**	36	18
1 1/2"	Ø 48	1 7/8"	-	**106 - 115**	**32x48**	24	12
-	Ø 54	2 1/8"	Ø 50	**116 - 126**	**32x54**	24	12
2"	Ø 60	2 3/8"	-	**125 - 132**	**32x60**	24	12
-	Ø 64	2 1/2"	Ø 63	**125 - 132**	**32x64**	24	12
2 1/2"	Ø 76	3"	Ø 75	**133 - 143**	**32x76**	20	10
-	80	-	-	**146 - 155**	**32x80**	16	8
-	88	-	-	**146 - 155**	**32x88**	8	4
-	Ø 101	4"	-	**159 - 168**	**32x101**	8	4
3 1/2"	Ø 108	4 1/4"	Ø 110	**174**	**32x108**	8	4
4"	Ø 114	4 9/16"	-	**180**	**32x114**	8	4
5"	Ø 139	5 1/2"	-	**205**	**32x139**	4	2

The metal clamps are M8 - M10 nut.

Thickness of ISOCLAMPS needs to be same with ISOPIPE insulation.

Standard carton size is 39.4 x 29.4 x 21.5 cm.

Other sizes available upon request.

Dimensions marked with * should be consulted for price and availability.

Units per carton can be amended without notification.

ISOCOVER

Insulation Protection Covering

ISOCOVER is a special insulation protection covering against UV Radiation and mechanical damages.

Exterior Use



ISOCOVER Benefits

- **Highly effective and strong adhesive cover** in 1 meter width and 10m and 25m length.
- **Ideal for confined working areas** and for already installed pipe systems, where insulation cannot be threaded and must be clamped around existing pipes.
- Available in **SOLAR**, **HP**, **UV PLUS** and **HEAVY DUTY (HD)**.

> **Ideal solution for insulation protection in confined working areas and for already installed pipe systems**



HP

SOLAR

NEW!
Now available in SOLAR Black, Silver & White colour

Description	Length	Width	Packaging
	m	mm	Unit/Crt
Solar	10 m	1 mm	1
Solar	25 m	1 mm	1
UV PLUS Pet-Al-Pe	10 m	1 mm	1
UV PLUS Pet-Al-Pe	25 m	1 mm	1
HEAVY DUTY Pet-Al-PVC	10 m	1 mm	1
HEAVY DUTY Pet-Al-PVC	25 m	1 mm	1

ISOCOVER SOLAR is available in SIlver, Black & White Colour.
Dimensions marked with * are available upon request.
Untis per carton can be amended without notification.

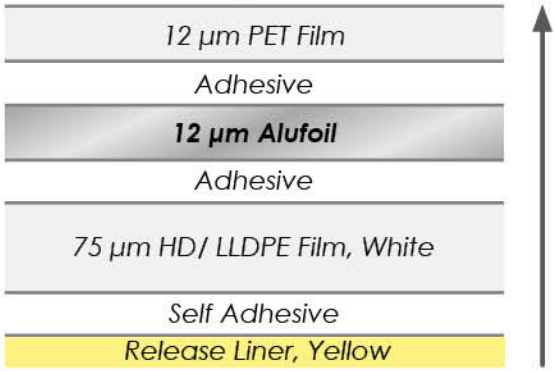
For all technical specifications on ISOCOVER SOLAR, please refer to SOLAR COVERING Technical Data Sheet (TDS) (see page 51).

For all technical specifications on ISOCOVER HP, please refer to HP COVERING Technical Data Sheet (TDS) (see page 56).

ISOCOVER

UV PLUS Pet-Al-Pe

Layers



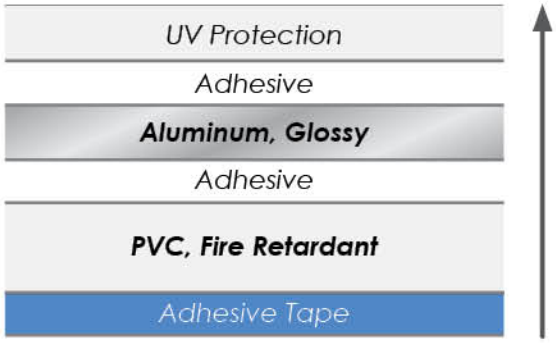
Properties	Technical Data	TEST Methods
Approximate Weight	125 g/m²	EN 22 286
Thickness Total (without release liner)	254 µm	
Thickness ISOCOVER	99 µm	
Thickness Adhesive	70 µm Liner Thickness: +85 µm	
Tensile Strength	MD 65 N/50 mm	ISO 527-3
	XD 70 N/50 mm	
Elongation	MD 35%	DIN 53 354
	XD 40%	
Tear Strength	MD 40 N	DIN 53 363
	XD 40 N	
Water Vapour Tranmission (WVP)	<0.02 g/m²/ 24h	DIN 53 122
Upper Working Temperature (°C)	+100°C	AA - B - 12 - 07
Lower Working Temperature (°C)	-40°C	AA - B - 12 - 07
Adhesive Weight	70 g/m²	DIN 55531
Adhesive Strength (based on AFERA 5001)	min 22 N/25 mm	

The mentioned values are these which have been measured in our laboratory, under typical conditions.
They can be modified without prior notice. You are kindly requested to assert their validity before any special use.

ISOCOVER

HEAVY DUTY Pet-Al-PVC

Layers



Properties	Technical Data	TEST Methods
Total Weight	340g/m²	EN 22 286
Thickness Total	375 µm	
Thickness ISOCOVER	230 µm	
Thickness Adhesive Liner Thickness +85 µm	60 µm	
Tensile Strength	MD 200 N/15 mm	ISO 527-3
	CD 175 N/15 mm	
Elongation	MD 48%	ISO 527-3
	CD 51%	
Tear Strength	MD 70 N	ISO 527-3
	CD 28 N	
Puncture Ø 0.8 mm	23 N	prEN 14 477
Puncture Ø 0.3 mm	87 N	prEN 14 477
Nail Tear Strength	MD 50 N	EN 12310 - 1
	CD 42 N	
Limited Oxygen Indication (LOI)	35.5% O_2	ASTM D 2863-77, ISO 4589
UV - Light Resistance Testing	70 g/m²	ASTM G 26A, ISO 4892-2
Water Vapour Transmission Rate (WVTR)	<0.028 g/m²/d	ASTM F1249, ISO 15106-2
Sd Value	>1.500 m	
Emission Ratio Approximately	94%	
Temperature Resistance (°C)	-25°C to +75°C	
Fire Classes (Covering)	Class 0	BS 476 pt. 6, pt. 7
Radiant Panel Index	0.50	ASTM E162-02e
Flaming Mode 1.5 min	1	ASTM E662-03
Flaming Mode 4 min	3	ASTM E662-03
Non - Flaming Mode 1.5 min	0	ASTM E662-03
Non - Flaming Mode 4 min	0	ASTM E662-03

The mentioned values are these which have been measured in our laboratory, under typical conditions.
They can be modified without prior notice. You are kindly requested to assert their validity before any special use.

Jacketing Systems for Insulation

- Suitable for industrial premises.
- Fast and easy installation.
- Increased resistance to mechanical stress.
- **Long lifetime.**



Made of multilayer-foil and PVC, which are suitable for outdoor use.

Available in Aluminum, Silver, Black and White colour.

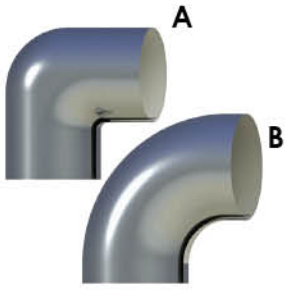


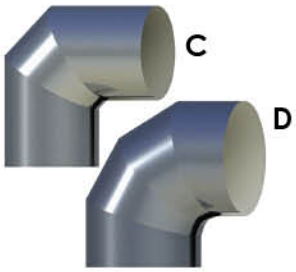
Made of galvanized steel, aluminum and stainless steel.



Jacketing Systems for Insulation

Elbows 90°







Pipe out diameter	Insulation Thickness							
Ø mm	9 mm	13 mm	15 mm	20 mm	25 mm	30 mm	32,5 mm	40 mm
12		✓	✓	✓				
15		✓						
18	✓	✓	✓	✓	✓	✓		✓
22	✓	✓	✓	✓	✓*	✓		✓*
28		✓	✓	✓	✓*	✓		✓
35		✓	✓	✓	✓*	✓		✓
42			✓	✓	✓*	✓		✓
48			✓	✓	✓	✓		✓*
54			✓	✓		✓		
60			✓	✓	✓	✓		✓
64				✓		✓		
70				✓	✓	✓		✓*
76			✓	✓	✓	✓	✓	✓*
89				✓	✓	✓	✓	✓
102				✓	✓	✓		✓
108				✓	✓	✓		✓
133						✓		✓
140					✓	✓		✓
159					✓	✓		✓
168					✓	✓		✓
194						✓		✓
219					✓	✓		✓

Select the 90° elbow (A, B, C, D & E) that best suits your needs.
Others dimensions should be consulted for price and availability.
Dimensions with *, are also available in elbows 45°.

Elbows 45°



Tees

Dimensions a x b x a
Ø mm
52 x 52 x 52
57 x 52 x 57
57 x 57 x 57
61 x 52 x 61
61 x 57 x 61
61 x 61 x 61
67 x 52 x 67
67 x 57 x 67
67 x 61 x 67
67 x 67 x 67
73 x 52 x 73
73 x 57 x 73
73 x 61 x 73
73 x 67 x 73
73 x 73 x 73
82 x 52 x 82
82 x 57 x 82
82 x 61 x 82
82 x 67 x 82
82 x 73 x 82
82 x 82 x 82
88 x 52 x 88
88 x 57 x 88
88 x 61 x 88
88 x 67 x 88
88 x 73 x 88
88 x 82 x 88
88 x 88 x 88
93 x 61 x 93
93 x 67 x 93
93 x 73 x 93
93 x 82 x 93
93 x 88 x 93
93 x 93 x 93

Dimensions a x b x a
Ø mm
100 x 61 x 100
100 x 67 x 100
100 x 73 x 100
100 x 82 x 100
100 x 88 x 100
100 x 93 x 100
100 x 100 x 100
102 x 61 x 102
102 x 67 x 102
102 x 73 x 102
102 x 82 x 102
102 x 88 x 102
102 x 93 x 102
102 x 100 x 102
102 x 102 x 102
108 x 61 x 108
108 x 67 x 108
108 x 73 x 108
108 x 82 x 108
108 x 88 x 108
108 x 93 x 108
108 x 100 x 108
108 x 102 x 108
108 x 108 x 108
116 x 116 x 116
120 x 120 x 120
128 x 128 x 128
130 x 82 x 130
130 x 88 x 130
130 x 100 x 130
130 x 102 x 130
130 x 116 x 130
130 x 130 x 130
136 x 136 x 136

Dimensions a x b x a
Ø mm
140 x 67 x 140
140 x 93 x 140
140 x 102 x 140
140 x 108 x 140
140 x 120 x 140
140 x 128 x 140
140 x 140 x 140
149 x 149 x 149
156 x 93 x 156
156 x 102 x 156
156 x 108 x 156
156 x 136 x 156
156 x 156 x 156
160 x 93 x 160
160 x 108 x 160
169 x 149 x 169
169 x 156 x 169
169 x 169 x 169
176 x 176 x 176
182 x 182 x 182
189 x 189 x 189
194 x 194 x 194
214 x 140 x 214
214 x 156 x 214
214 x 169 x 214
214 x 182 x 214
214 x 189 x 214
214 x 194 x 214
245 x 189 x 245
245 x 214 x 245
245 x 245 x 245
268 x 268 x 268
300 x 300 x 300

PACKAGING

Innovative design for maximum product protection and smart distribution

ISOPIPE boxes are specially selected and designed to provide maximum product protection, without leaving unused space. Our boxes are engineered so as to prevent the packaging from collapsing. Before their departure from our warehouse they are placed on european pallets, which meet all the required specifications.

Our warehouses are constructed in accordance with international and european specifications, whereas a FIFO-based space design is applied so that each product has its own storage space. Moreover, each box bears a label providing all the necessary information about the product, at a glance.

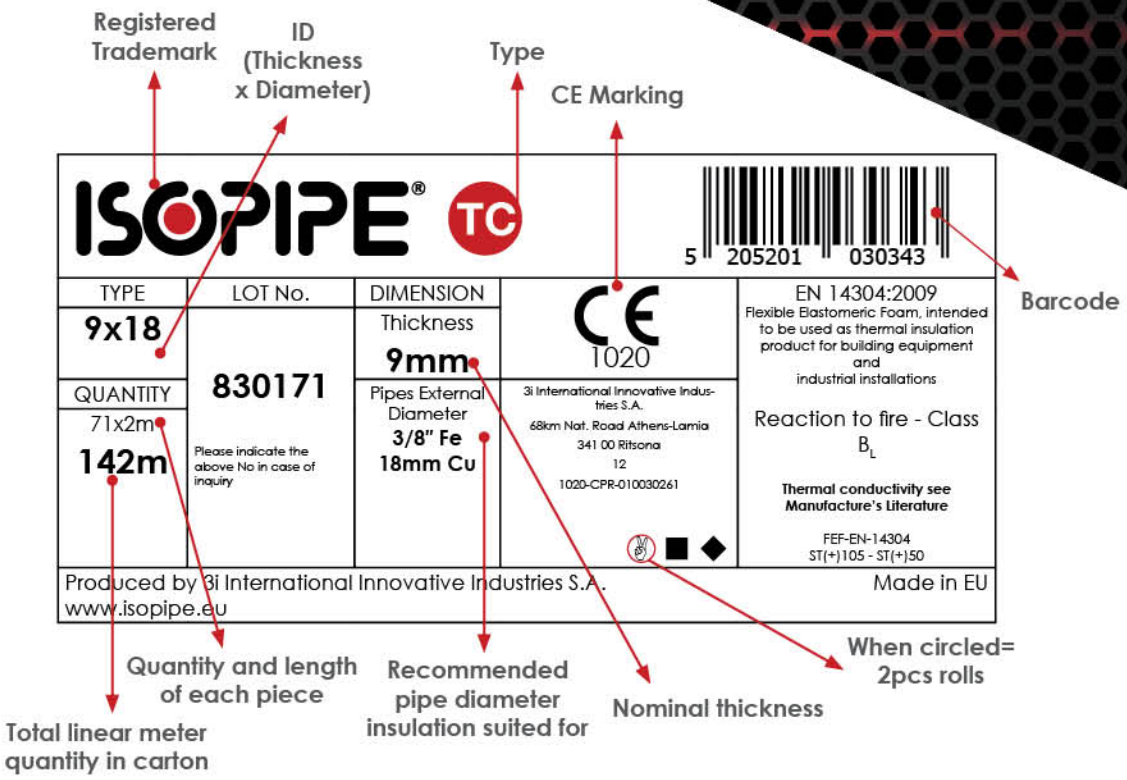


All product packages pass through quality control procedures to ensure the quality of the content, its appearance and the required quantity.
Each checked package has a special check mark, which ensures its quality upon delivery.





Label Instructions



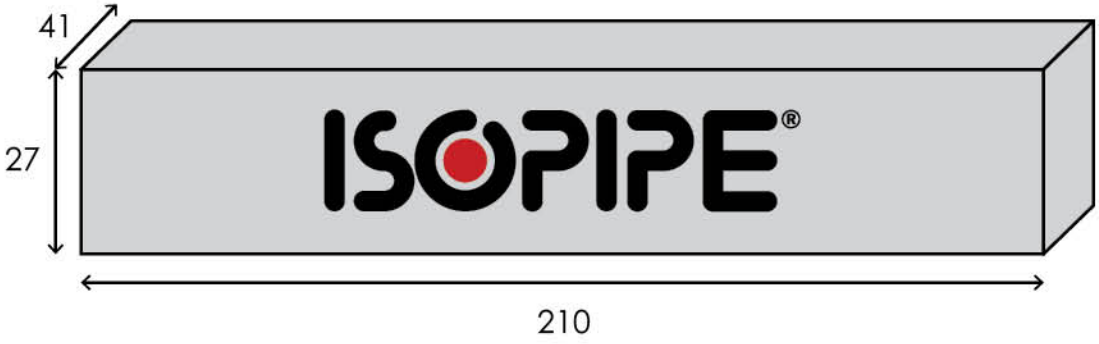
All our product labels are differentiated through different background colours for recognition purposes!

- **ISOPIPE TC Products (Regular)**
- **ISOPIPE TR**
- **ISOCOIL TC, ISOPIPE HT-HF, Accessories, ISOCLAMPS**
- **ISOPIPE TC Slit, Slit & Seal ISOPIPE products with S/A**
- **ISOPIPE TC products with SOLAR SG Covering**
- **ISOPIPE TC/HT-HF products with SOLAR Black Covering & UV PLUS Covering**
- **ISOPIPE TC/HT-HF products with SOLAR Silver Covering**
- **ISOPIPE TC/HT-HF products with SOLAR White Covering**
- **ISOPIPE TC products with HP Covering**
- **ISOPIPE TC/HT-HF products with HEAVY DUTY (HD) Covering**

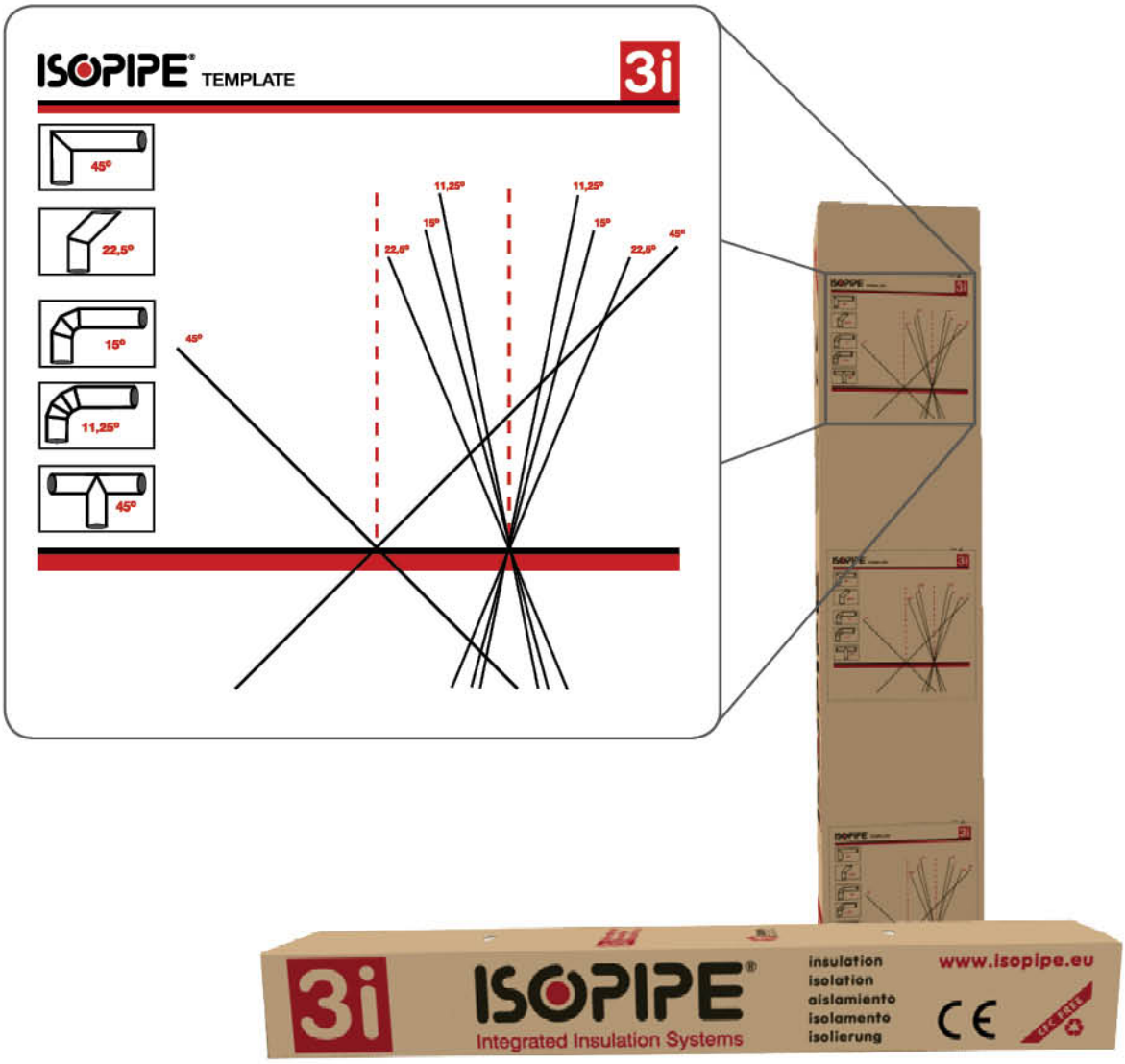
PACKAGING

ISOPIPE Pipe carton box of 2 meters length

All measures are in cm



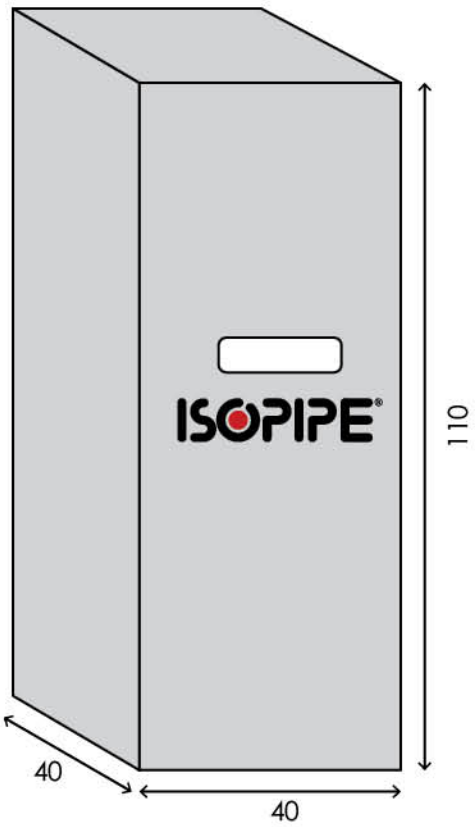
Cutting Template



PACKAGING

ISOPIPE Pipe carton boxes of 1 meter length

All measures are in cm



✔ Works as display and demonstration box.

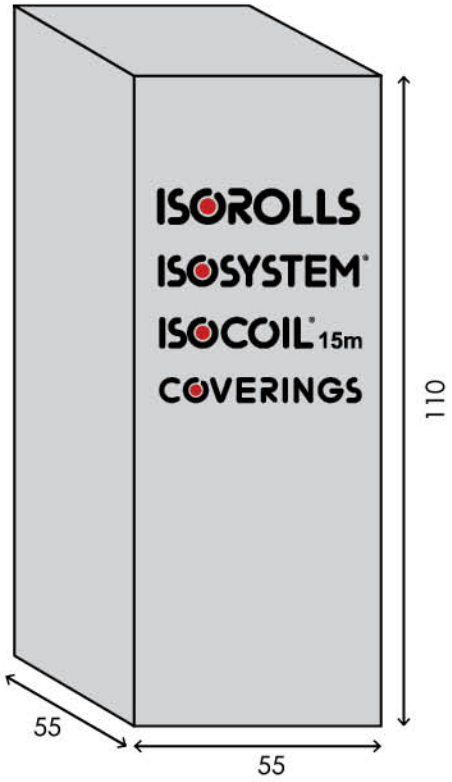




PACKAGING

ISOROLLS/ISOSYSTEM/ISOCOIL 15m/COVERINGS carton box

All measures are in cm



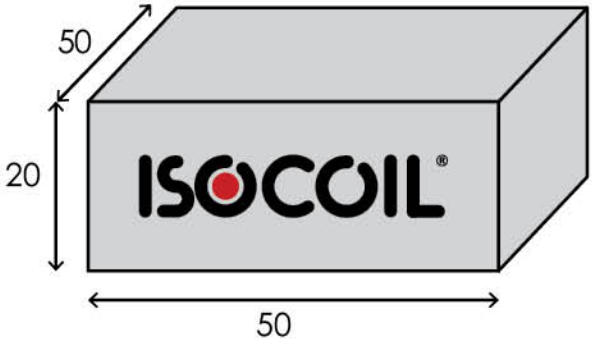


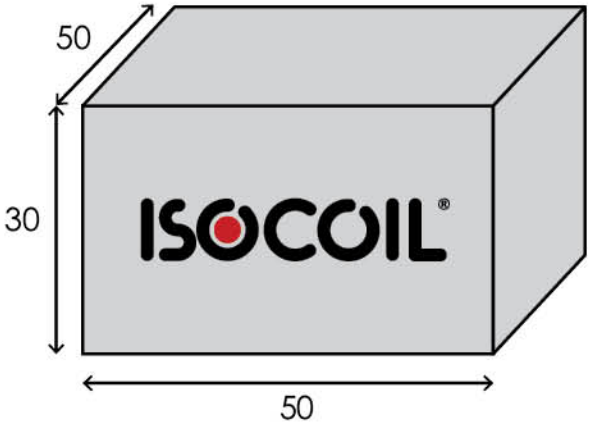


PACKAGING

ISOCOIL carton boxes

All measures are in cm



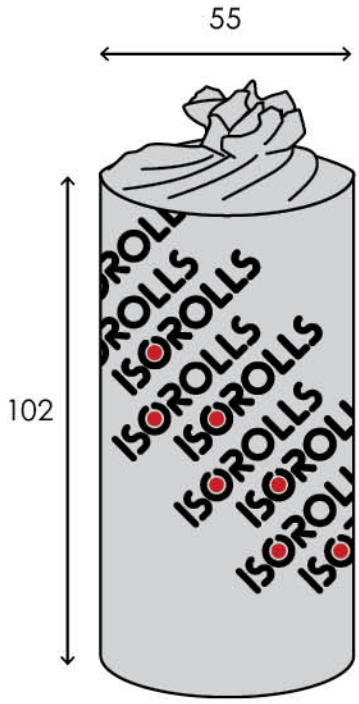




PACKAGING

ISOROLLS bags

All measures are in cm

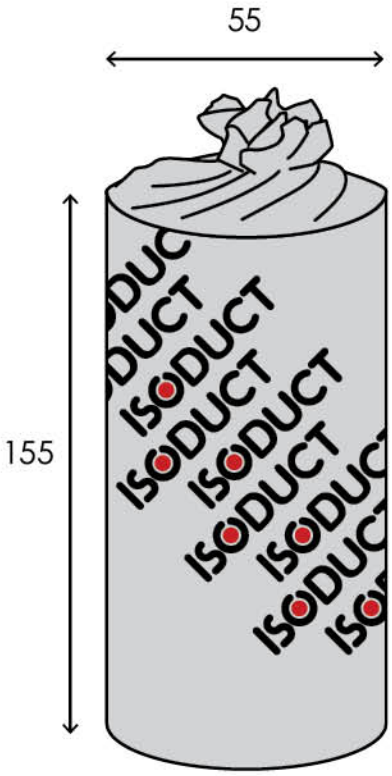




- ✓ Reduction of required storage and transport space by nearly 50%.
- ✓ Due to their decreased size, they are easier to handle.
- ✓ Each roll is being shrink-wrapped before stored into bag, to ensure that the product remains sturdy during transportation.

ISODUCT bag

All measures are in cm

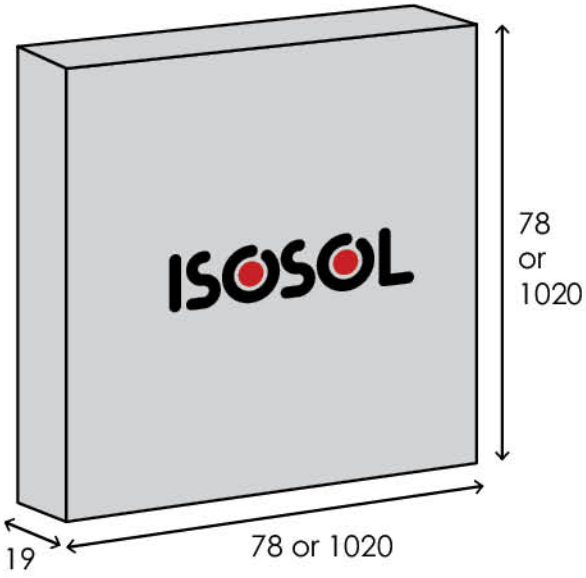


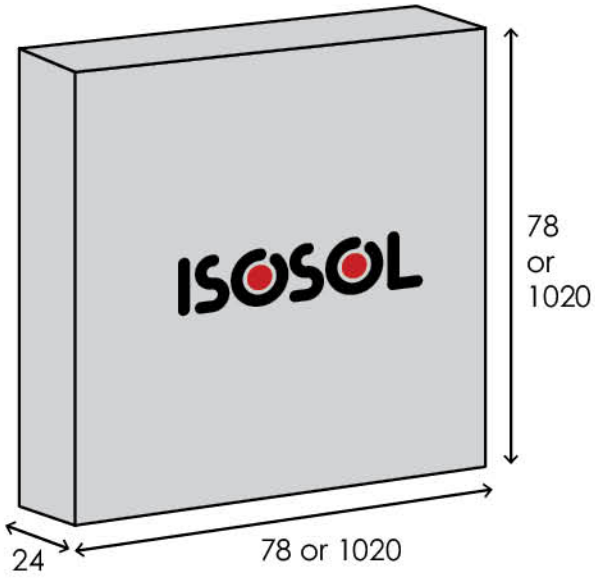


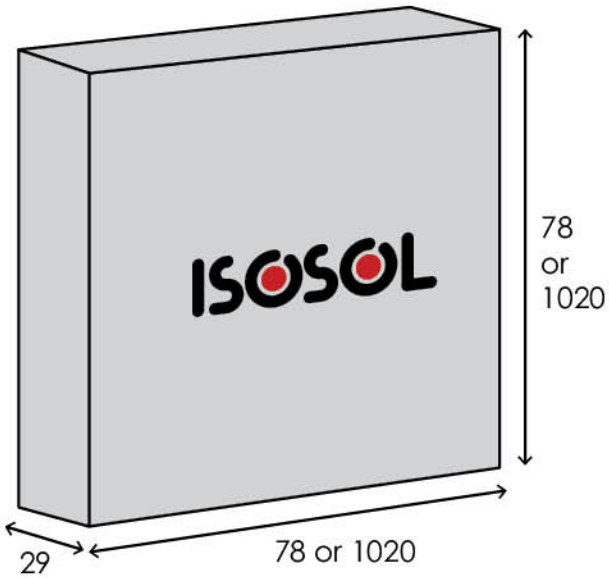
PACKAGING

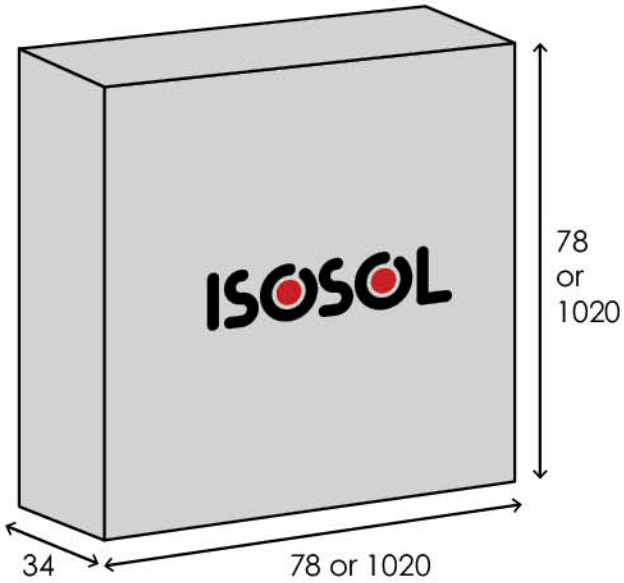
ISOSOL carton boxes

All measures are in cm







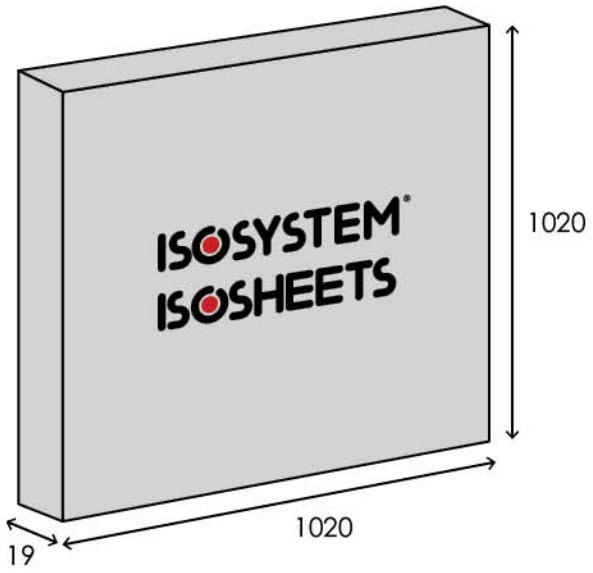


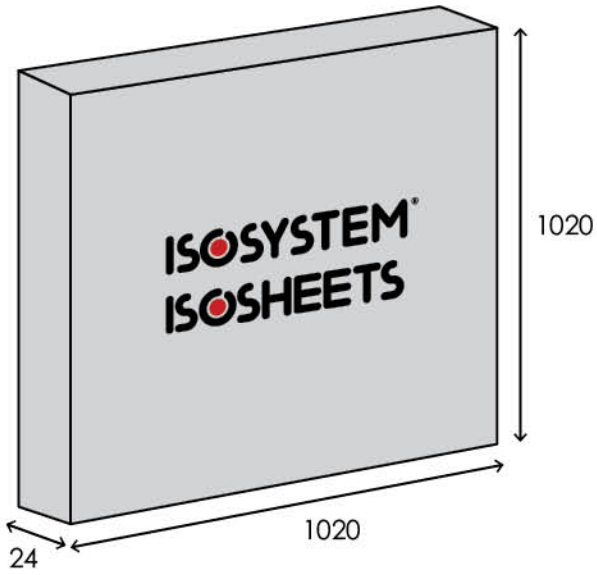


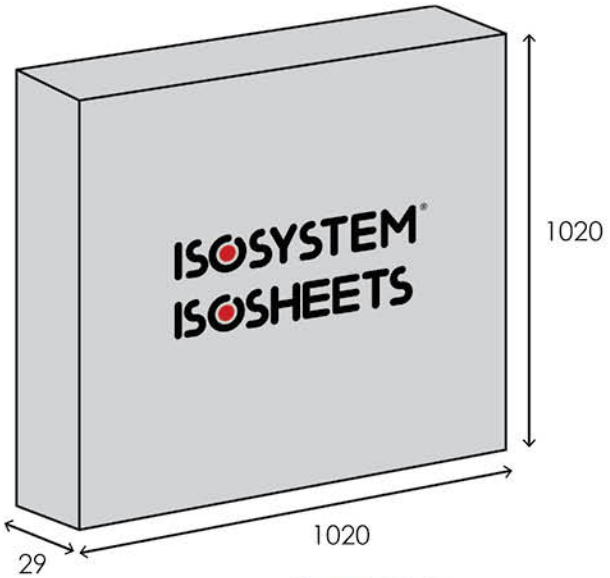
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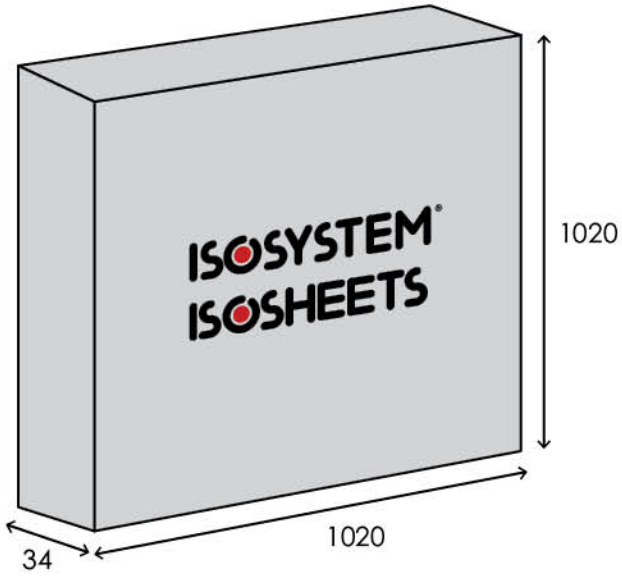
ISOROLLS & ISOSYSTEM carton boxes

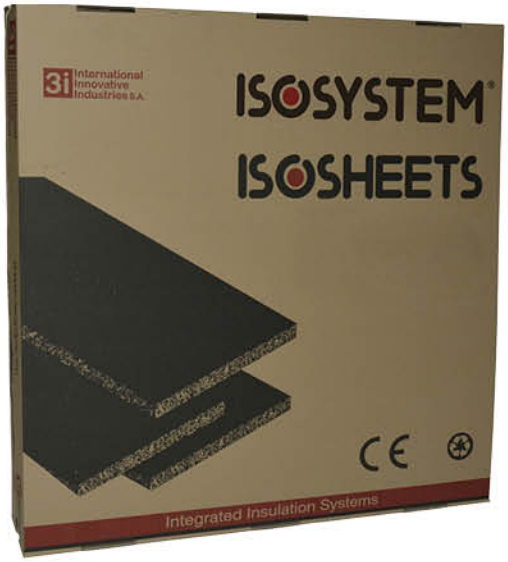
All measures are in cm





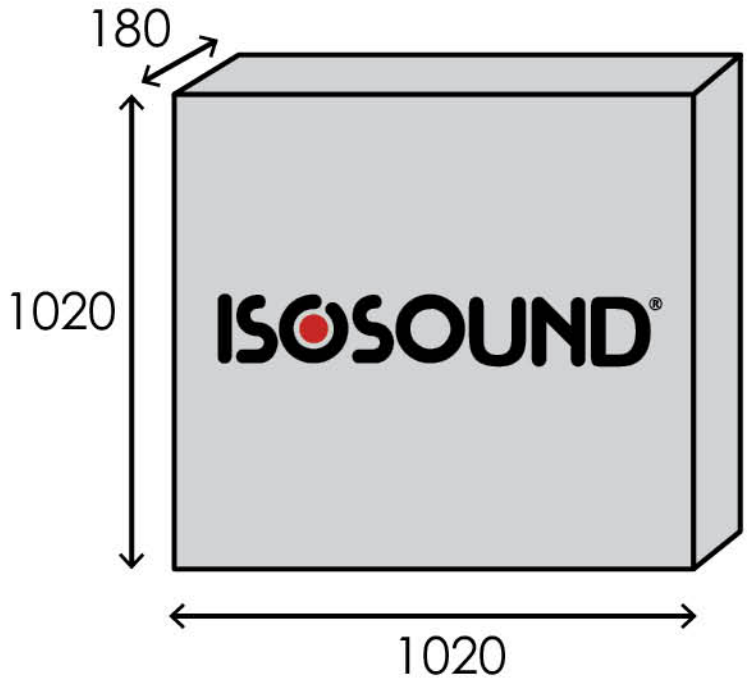


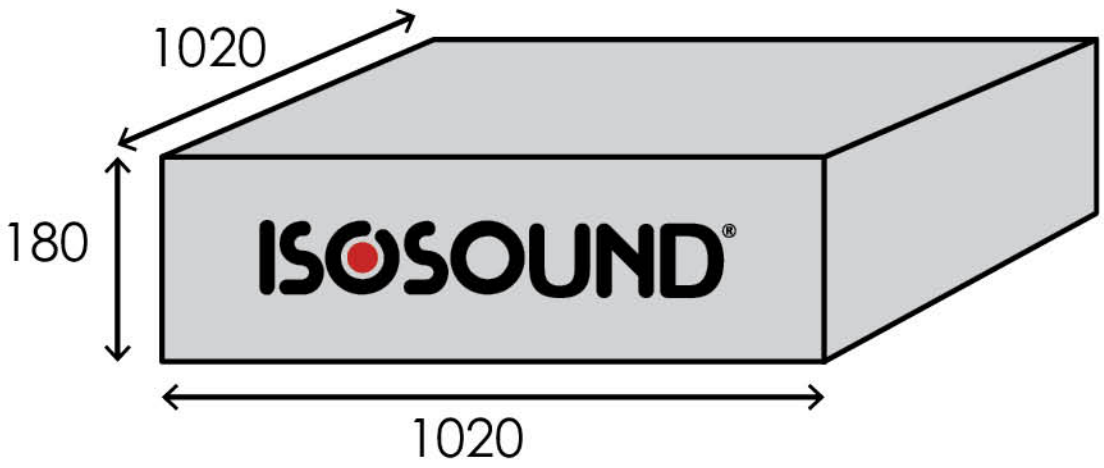




PACKAGING

ISOSOUND carton boxes
All measures are in cm



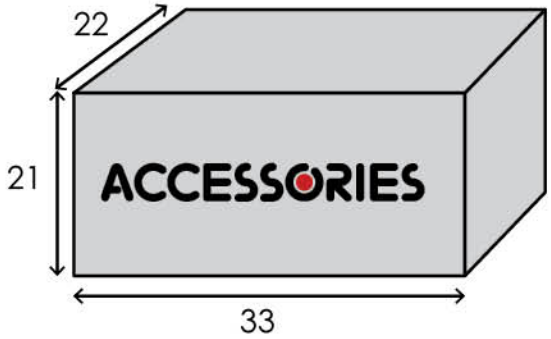


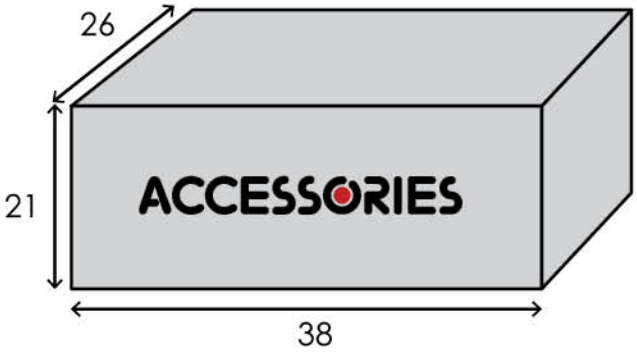
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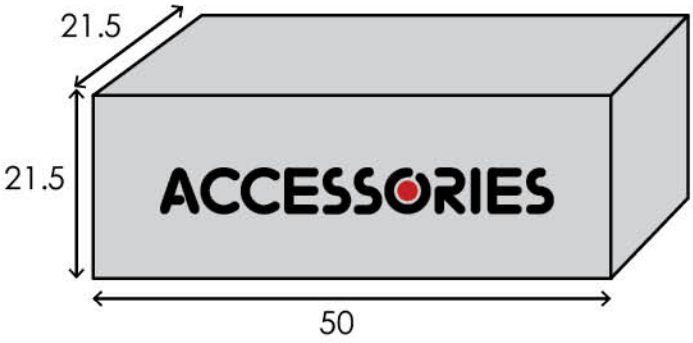
ACCESSORIES carton boxes

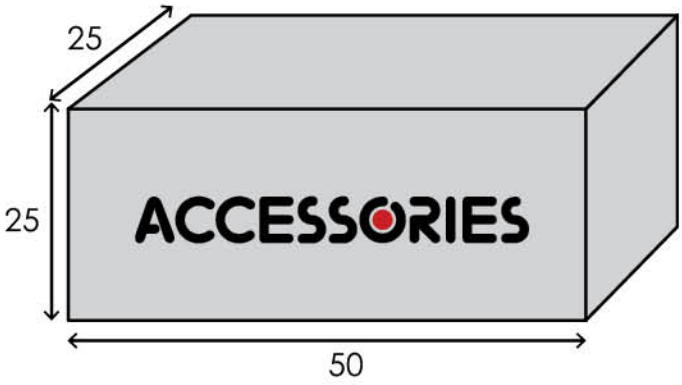
All measures are in cm



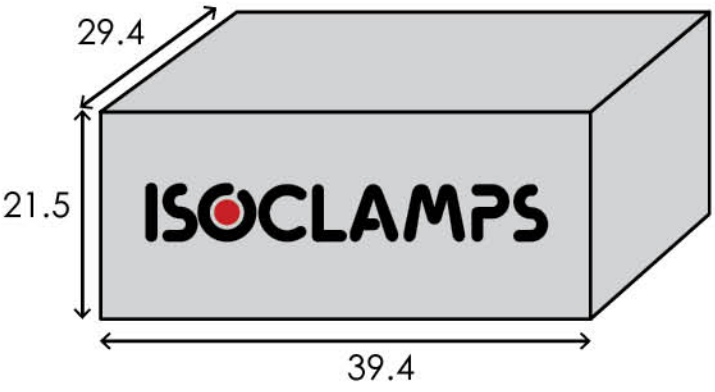












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