Conserving energy for a better planet

98.5% Closed Cells

Nitrile Butadiene Rubber NBR

E84 Class A EN 13501 B-s2,d0

Integrated Insulation Systems

www.isopipe.eu
ISOPPIPE TC provides long-term and reliable thermal insulation

Description & Benefits

ISOPPIPE TC - is an NBR based flexible elastomeric foam insulation with significantly high percentage, 98.5%, of closed-cells.

- Thanks to its closed cell structure, ISOPPIPE TC has excellent insulation properties.
- ISOPPIPE TC has outstanding thermal performance and condensation resistance due to the high percentage, 98.5%, of closed cells.
- ISOPPIPE TC insulation systems are manufactured with due respect for the human health and the environment.
- ISOPPIPE TC is certified for Anti-Microbial and Fungal Protection according to ASTM E2180 and ASTM G21.
- As an NBR based product, ISOPPIPE TC insulation, provides great oil and grease resistance.
- ISOPPIPE 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 ISOPPIPE TC material is guaranteed through continuous supervision and factory tests.

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: ISOPPIPE TC, ISOPPIPE COVERINGS: SOLAR, HP, UV PLUS & HEAVY DUTY (HD)

- **Rolls**
  - Available in thickness of: 6, 10, 13, 19, 25, 32, 40, 50 mm.
  - Available in widths of 1.00 m, 1.20 m and 1.50 m and length up to 30 meters.
  - Available in: ISOROLLS TC, ISOROLLS COVERINGS: SOLAR, HP, UV PLUS & HEAVY DUTY (HD) (with or without self-adhesive)
  - ISOROLLS are also available in the form of Sheets. The dimensions of ISOSHEETS are 1 x 1 in width of 1.20 m or/and 1.50 m upon request.

- **Slit & Seal**
  - Pre-slitted pipe with self-adhesive tape and self-adhesive overlap. Reduces significantly application and installation time and labour costs. It’s the perfect solution for already existing installations.
  - Available thickness of: 9, 13, 19, 25, 32, 40, 40 mm and pipe diameters up to 114 mm.
  - Pipe’s standard length is 2 meters and 1 meter.
  - Available in: ISOPPIPE TC & SOLAR COVERING

- **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, 50 mm and pipe diameter from 114 mm up to the desired diameter.
  - Packaged in 1 meter length.
  - Available in: ISO SYSTEM TC, ISO SYSTEM COVERINGS: SOLAR & UV PLUS

- **Coil**
  - A special designed practical solution for technicians and installers. No scrap produced: cut only the material needed 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, offered in continuous length up to 76 meters.
  - Available in two size boxes at the same price. Ruler on each box.
  - Available in: ISO COIL TC

For more information please refer to ISOPPIPE COVERINGS: SOLAR, UV PLUS, HP & HEAVY DUTY Brochure.
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 (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.
$\lambda = 0.031\text{W/mK} \text{ at } -20^\circ\text{C}$
$\lambda = 0.033\text{W/mK} \text{ at } 0^\circ\text{C}$
$\lambda = 0.035\text{W/mK} \text{ at } +20^\circ\text{C}$
$\lambda = 0.036\text{W/mK} \text{ at } +30^\circ\text{C}$

Density
Produced with optimum density for effective reduction of thermal losses
60 kg/m³, ±10 kg/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
New User Friendly App for Tablet & Mobile Devices

**ISOPIPE Insulation Calculator** has been developed to offer exact measurements for Certified Insulation, NBR and EPDM based.

Through the Program’s Calculations the user receives 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

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**Company’s Profile**

ISOPIPE S.A. is a leader in the field of insulation and heating. Its industrial unit is one of three worldwide specializing in vertical production of elastomeric insulation.

ISOPIPE S.A. was founded in 1997. In 2008 the company completed a large investment by obtaining the know-how of TORRENT, the Greek market leader in cast iron boilers. In 2009, the company expanded with the establishment of its subsidiary Iberica S.L in Barcelona, Spain.

ISOPIPE S.A. factory is located 73km north of Athens, with a covered area of 60,000 m² and buildings of 30,000 m².

Our quality system is EN ISO 9001:2015 certified, while our production program, as well as the quality and properties of all our ISOPIPE products, are based on EN 14304.

Please, watch our video for more information.

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**ISOPIPE S.A.**

Rebuild the future! www.isopipe.eu

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For all technical specifications on ISOPIPE products, please refer to the ISOPIPE Catalogue and Installation Guide.