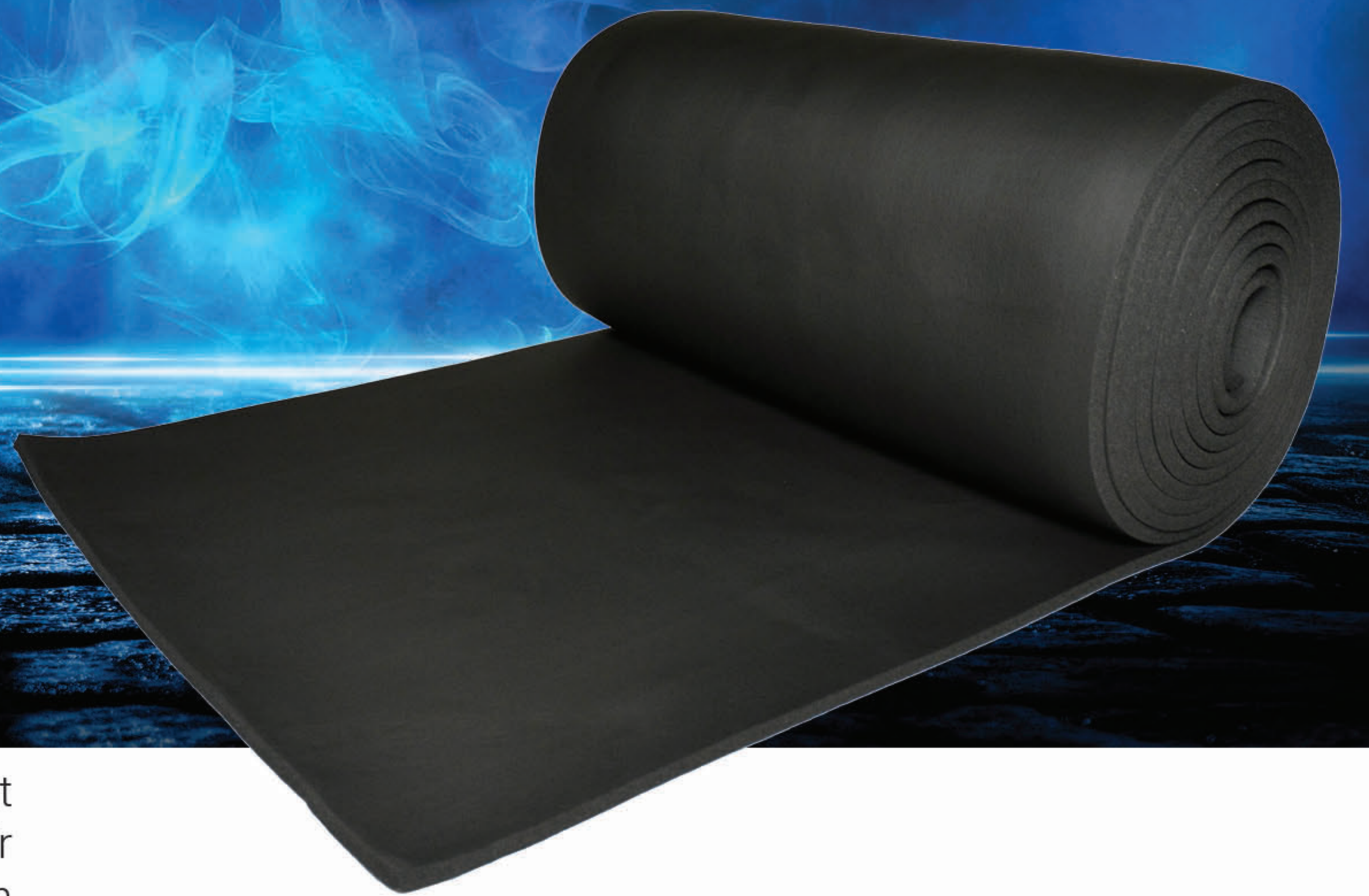


ISOPIPE®

Integrated Insulation Systems

ISODUCT



The thermal insulation of air ducts is essential to reduce heat losses and operating costs of air conditioning. By insulating air ducts, heat losses can be reduced by up to 90%. Obviously, an optimal solution must be found, considering both the cost of insulation and the resulting reduction in heat losses.

Temperature also has a significant contribution to the design and sizing of an installation's duct system.

Any temperature change alters the basic conditions and any calculation rates should be recalculated with a correction factor.

Therefore, the insulation applied should meet the most stringent specifications in order to obtain a fully functional arrangement.

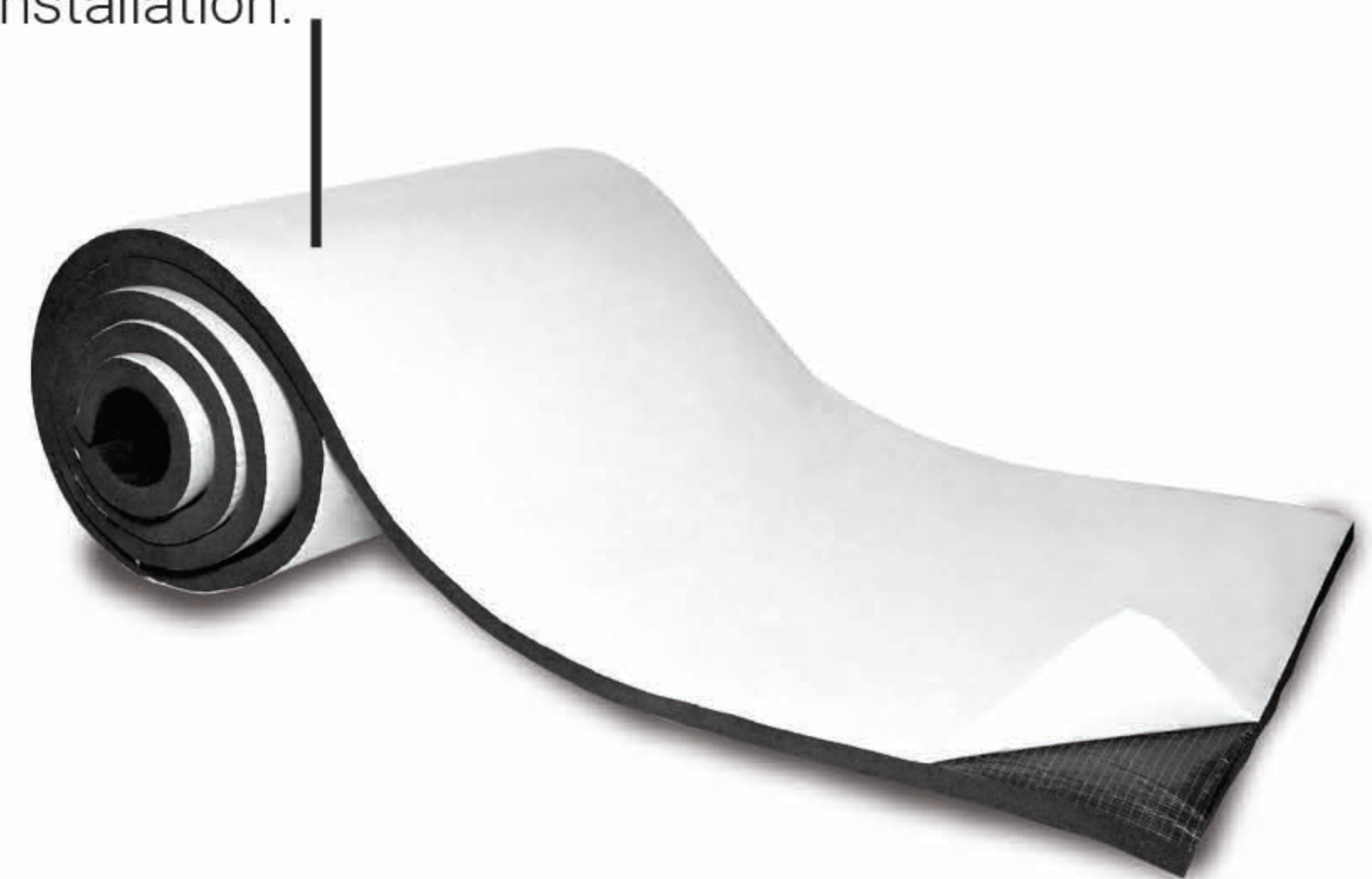
ISODUCT is an excellent solution for the insulation of large diameter pipes and pipelines. Due to its tensile strength >0.10 MPa according to ASTM D 882 and elongation at break $>200\%$ according to ISO 1798, certified according to the requirements of EN14304, it can withstand even the most difficult and demanding application conditions.

Manufactured by **ISOPIPE SA**, holder of the **Quality Excellence Award from the European Business Association**, in Ritsona, Greece, it is based on NBR and offers all the advantages of ISOPIPE TC:

- Very high percentage of 98.5% closed cells giving excellent thermal performance and resistance to condensates.
- Extended temperature range (-50°C to $+110^{\circ}\text{C}$)
- High resistance to water vapour ingress, ensuring long-term insulation performance and effectiveness $m = 10000$
- Designed to significantly reduce thermal losses $\lambda = 0.036\text{W/mK}$ at $+30^{\circ}\text{C}$ and contribute significantly to energy savings.
- Produced with optimum density to effectively reduce heat loss $60 \text{ kgr/m}^3, \pm 10 \text{ kgr/m}^3$
- It is manufactured with respect for the environment and human health and is the only one that is certified for Antimicrobial and Antifungal Protection according to ASTM E2180 and ASTM G21 certifications.
- Great economy benefits as using the proper coating on hot/cold pipes and tanks/containers can eliminate over 80% of heat loss.
- Ideal choice for domestic premises and public buildings since it does not produce flaming particles and does not allow fire to spread (E84 Class A, EN 13501, B - s3, d0).

In addition, due to its application advantage, it is considered to be the top insulation choice for:

- Its large cross-section reaching 1.5 metres. It implies the full exploitation of the available surface.
- Its resistance to oil and grease
- Its high elasticity resulting in a perfect fit
- Its long life span
- Available with or without self-adhesive to facilitate any installation.



Available in the following packages



In conclusion, it is obvious that through the constantly increasing needs for minimizing the energy footprint and respect for the environment, that reducing energy losses leads to quality upgraded solutions.

ISODUCT IS AN EASY TO USE, ECONOMICAL AND EFFICIENT SOLUTION WITH A LENGTH OF 1.5 M