

ISOPIPE[®]



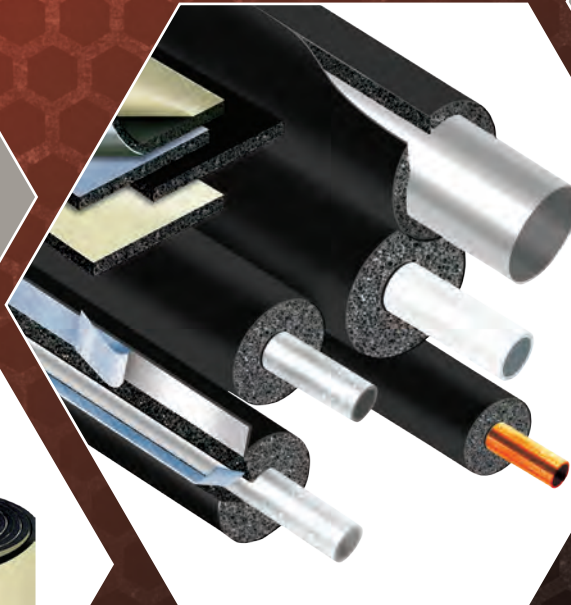
3i

Flexible Elastomeric Foam Insulation (FEF)

Conserving energy for a better planet

Nitrile
Butadiene
Rubber
NBR

-50°C to
+110°C



Integrated
Insulation Systems

www.isopipe.eu

ISOPIPE TC ensures long-term and reliable thermal efficiency

98.5%
Closed Cells

Nitrile
Butadiene
Rubber
NBR

Description & Benefits

ISOPIPE TC - is a NBR based flexible elastomeric foam insulation with significantly high percentage, **98.5%**, of **closed - cell**.

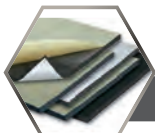
- ✓ Thanks to closed cell structure, **ISOPIPE TC** offers **excellent insulation properties** because of its thermal conductivity.
- ✓ **ISOPIPE TC** has **outstanding thermal performance** and **condensation resistance** due to the high percentage, 98.5%, of closed cells.
- ✓ **ISOPIPE TC** insulation systems are manufactured with **respect to human health** and **environment** as they ensure improved air quality.
- ✓ **ISOPIPE TC** is **certified** for Anti-Microbial and Fungal Protection according ASTM E2180 and ASTM G21.
- ✓ As an NBR based, **ISOPIPE TC** insulation, provides a great **oil** and **grease resistance**.
- ✓ **ISOPIPE TC** is offered in a wide range of sizes and forms making applications easier.
- ✓ **Short lead time due to 3i S.A. high flexibility of production.**
- ✓ The outstanding performance of the **ISOPIPE TC** material is guaranteed through **continuing supervision** and **factory tests**.

Product Range



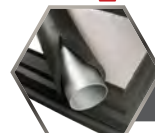
Pipes

- Available in thickness of: 6, 9, 13, 19, 25, 30, 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, UV PLUS & HEAVY DUTY (HD)**



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, UV PLUS & HEAVY DUTY (HD) (with or without self-adhesive)**



System

- Easier to close firmly large and thick objects, **cut in angle** in a form of sheet.
- Available in thickness of: 13, 19, 25, 32, 40 mm and pipe diameter from 88 mm up to desire diameter.
- Packaged in 1 meter length.
- Available in: **ISOSYSTEM TC, ISOSYSTEM COVERINGS: SOLAR & UV PLUS**



Slit & Seal

- **Pre slit pipe with self-adhesive tape and self-adhesive overlap.** Significantly reduces application and installation time and labor costs. Perfect for existing "installed" pipe systems.
- Available in pipe form with thickness of: 9, 13, 19, 25, 30 mm and pipe diameters up to 125 mm.
- Pipe's standard length is 2 meters and 1 meter.
- Available in: **ISOPIPE TC, ISOPIPE SOLAR COVERING**



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, UV PLUS & HEAVY DUTY (HD) (with or without self-adhesive)**



Coil

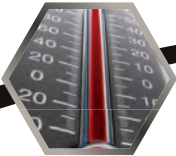
- It is highly practical for installers and technicians. No scraps; cut only the necessary length and store the rest. Less use of glue and less hassle.
- Available in thickness of: 6, 9, 13 mm and pipe diameter up to 28 mm, coiled in continued lengths of up to 76 meters.
- Available in two size boxes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

For more information please refer to **ISOPIPE COVERINGS: SOLAR, UV PLUS & 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.



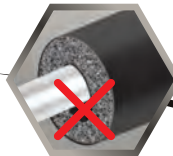
Fire Performance

Ideal for residential and public buildings as it will not spread flames or drip flaming particles (Class 0, Class 1, B - S3, d0).



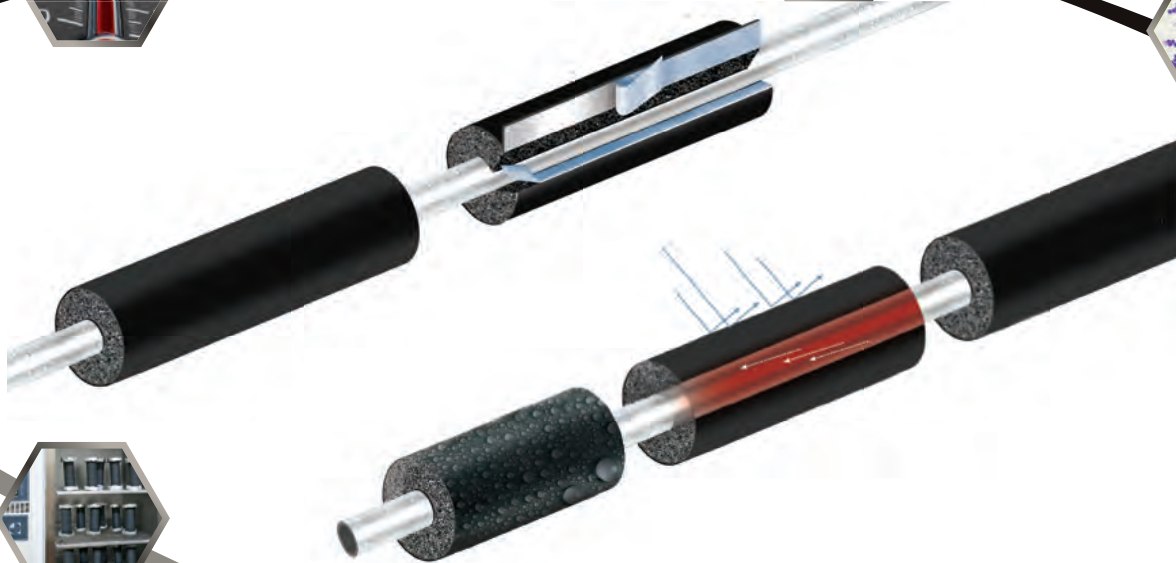
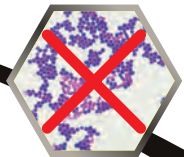
Proper Fit

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).



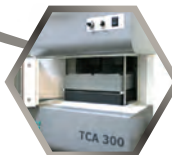
Permeability

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



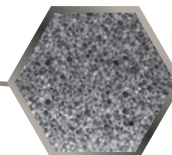
Thermal Conductivity

With superior quality closed-cell elastomeric material, designed to reduce thermal losses.
 $\lambda = 0.0349\text{W/mK}$ at 0°C
 $\lambda = 0.0355\text{W/mK}$ at 10°C
 $\lambda = 0.0360\text{W/mK}$ at 20°C
 $\lambda = 0.0373\text{W/mK}$ at 40°C



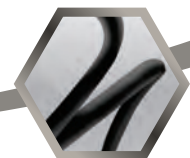
Density

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



New User Friendly App for Tablet & Mobile Devices

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 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*

ISOPIPE® Insulation Calculator



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 sl 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.



ISOPIPE® S.A.

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