



# SONOTIZ PIPE D110

## PRODUCT DATA SHEET



### PRODUCT INFORMATION

**SONOTIZ PIPE D110 ACOUSTIC AND THERMAL INSULATION KIT** is a professional, ready-to-use solution designed for drainage, sewerage, ventilation, and other technical pipe networks.

The material combines a dense acoustic membrane with a self-adhesive polyethylene foam layer, forming a flexible yet heavy composite that efficiently blocks and dissipates sound waves while ensuring strong adhesion to the pipe surface.

This structure provides effective, cost-efficient noise reduction, delivering excellent results even in compact installations.

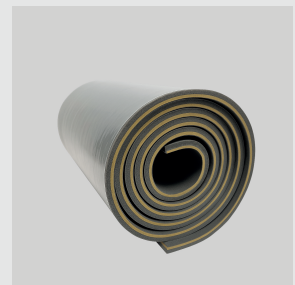
At the same time, the closed-cell polyethylene layer enhances thermal insulation and condensation control, improving energy efficiency and extending system durability.

The system functions through three key acoustic principles:

- ♦ **MASS EFFECT** – the dense membrane forms a heavy viscoelastic barrier that absorbs and dissipates sound energy.
- ♦ **ELASTICITY** – the flexible foam layer adapts to the pipe surface, damping vibrations and minimizing structure-borne noise.
- ♦ **MULTILAYER DISSIPATION** – transitions between layers of different densities cause progressive energy loss as sound travels through, reducing transmitted noise and resonance.

The **self-adhesive backing** ensures full contact with the pipe and prevents air gaps, which is vital for consistent acoustic performance. Its **outer surface** is protected by a durable, slightly glossy polymer film, providing resistance to moisture, dust, and mechanical wear.

In addition to its acoustic and thermal efficiency, SONOTIZ PIPE is a non-toxic, halogen-free material, safe for indoor applications and compliant with modern environmental standards.



### KEY BENEFITS



**Flow and vibration noise reduction – up to 25 dB.** Effectively minimizes airborne and structural noise generated by drainage, ventilation, and technical pipes, improving overall acoustic comfort in living and working spaces.



**Flexible, dense, and self-adhesive – easy to install.** Multilayer composition combines elasticity and density for perfect wrapping around pipes. The self-adhesive surface ensures quick, clean application without the need for extra tools or fasteners.



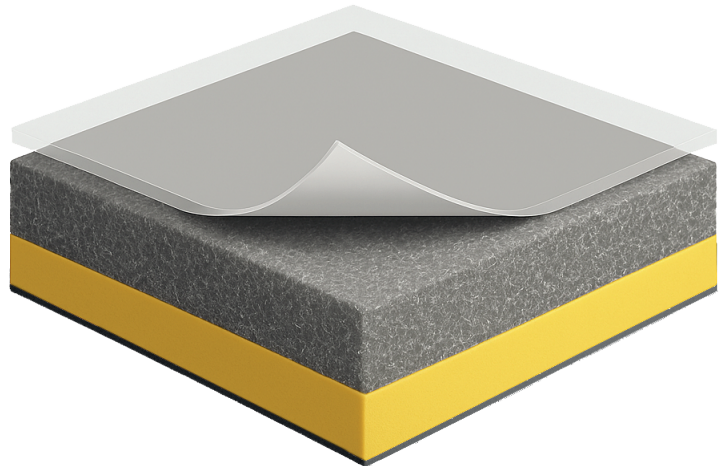
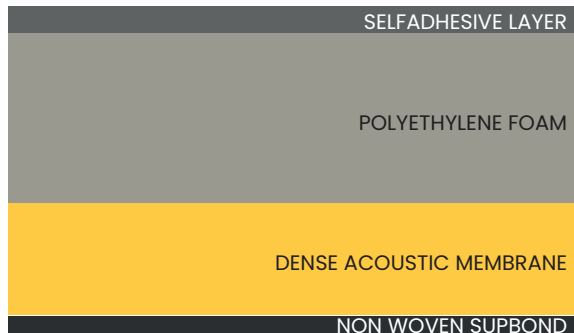
**Compatible with PVC, PP, and metal pipes.** Engineered to perform equally well on plastic and metal pipelines, providing universal acoustic and thermal insulation across different installation types.



**Temperature resistant: -20 °C to +80 °C** Maintains flexibility, adhesion, and insulation properties even under extreme temperature fluctuations – suitable for both cold and hot water systems, as well as ventilation ducts.

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## PRODUCT SPECIFICATIONS



SONOTIZ PIPE is engineered around the core principles of mass loading, vibration damping, mechanical decoupling, and acoustic energy absorption.

PROPERTY	VALUE	STANDART
<b>Total thickness :</b>	~ 8,5 mm	EN ISO 9073-2
<b>Weight :</b>	~ 6,6 kg	EN ISO 845
<b>Length × Width :</b>	3.000 × 400 mm	-
<b>Sound insulation improvement (<math>\Delta R_w</math>)</b>	up to 25 dB	EN ISO 10140-2
<b>Thermal conductivity (<math>\lambda</math>)</b>	0.036 W/m·K	EN 12667
<b>Operating temperature range</b>	-20 °C - +80 °C	-
<b>Water absorption</b>	< 1%	EN 1609
<b>Environmental impact</b>	Non-toxic, halogen-free	-

#### Testing & performance notes

Declared acoustic and thermal values are based on internal laboratory testing and typical installation conditions. Actual performance may vary depending on pipe type, fixation method, surrounding structures, and installation quality.

SONOTIZ PIPE D110 is designed for Ø 110 mm pipes, the most common diameter used for sewage and drainage systems.

Recommended for acoustic and thermal insulation of drainage and sewage/ drainage pipes, ventilation ducts, and other technical pipelines in residential and commercial buildings.

Suitable for installation on PVC, PP, and metal pipes, where reduction of flow and vibration noise is required.

#### NOTE

- ◆ Intended for indoor applications. Outdoor use only with additional protective covering to protect from direct exposure to weather or UV radiation.

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## INSTALLATION GUIDE

### 1. PREPARATION

Surface preparation: Clean the pipe surface from dust and greasy film. No special protective equipment is required during normal installation.

### 2. CUTTING AND WRAPPING

Cut the membrane to the required length and wrap it tightly around the pipe.

### 3. FIXATION:

Secure the membrane along the pipe at approximately every 20 cm using plastic clamps/cable ties to keep constant pressure and prevent slipping.

**Important:** Full surface contact is essential for proper insulation.

### 4. SEALING THE JOINTS

Seal all joints/overlaps with membrane tape to prevent gaps.

### 5. OPTIONAL COVERING

For outdoor installations, protect the insulated pipe with an additional covering to prevent direct exposure to weather and UV radiation, ensuring long-term adhesive performance.

Additional plastic clamps/cable ties may be used if required to maintain secure fixation.



**QUALITY CONTROL** Check the surface for level alignment, sealed joints, and absence of hollow sounds or gaps.

### SUPPLIED AS COMPLETE INSTALLATION KIT

The product is supplied as a installation kit, including:

- ◆ Self-adhesive multilayer acoustic membrane (PE foam + dense acoustic membrane), 3 m × 0.4 m
- ◆ Sealing tape
- ◆ Plastic cable ties

## STORAGE and TRANSPORTATION

- ◆ Store in a dry, covered area at temperatures between +5 °C and +35 °C.
- ◆ Protect from direct sunlight, moisture, and mechanical damage.
- ◆ Keep the product in its original packaging until installation.
- ◆ Do not stack in a way that may cause deformation of the roll.
- ◆ Transport in closed vehicles under conditions preventing exposure to weather and excessive heat or cold.

Shelf life: 24 months from the date of manufacture, when stored under recommended conditions.

### NOTE:

Improper storage/ transportation/and use after 24 months does not affect the physical structure or acoustic properties of the material itself. However, prolonged exposure to heat, UV radiation, moisture, or mechanical stress may reduce the performance of the self-adhesive layer, which can negatively impact installation quality and overall system effectiveness.

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## SYSTEM USE AND COMPATIBILITY

While SONOTIZ PIPE provides effective acoustic insulation as a standalone material, it is designed to function as part of a complete acoustic insulation system aimed at improving acoustic comfort in residential, commercial, and industrial premises.

SONOTIZ PIPE reduces airborne and structure-borne noise generated by pipelines but does not replace proper acoustic design of the building structure.

Optimal performance is achieved when SONOTIZ PIPE is combined with appropriate wall, floor, and ceiling soundproofing systems, ensuring comprehensive control of airborne and structure-borne noise transmission. Acoustic bridges such as rigid fixations, uninsulated supports, or open penetrations must be addressed separately.

SONOTIZ PIPE is part of the SONOTIZ acoustic/ soundproofing /thermal insulation system portfolio. SONOTIZ develops, tests, and supplies acoustic materials and system solutions, validated in real installation conditions. SONOTIZ PIPE is part of the SONOTIZ acoustic system portfolio.

Effective noise control in buildings is achieved through a holistic acoustic approach.

SONOTIZ products are developed and validated as part of integrated acoustic systems, ensuring reliable performance under real installation conditions.

Detailed system configurations, compatible products, and application guidelines are available on the SONOTIZ website [www.sonotiz.md](http://www.sonotiz.md) or from authorized distributors.



## ABOUT SONOTIZ

SONOTIZ develops and manufactures professional acoustic and thermal insulation systems used in residential, commercial, and industrial construction. Our products combine technical performance, sustainability, and design flexibility, meeting the highest European standards.

Part of DJOFRA-M Group, a leading producer of technical textiles and fiberglass materials, SONOTIZ builds on over 10 years of manufacturing experience and a strong R&D foundation.

Driven by our mission to reduce industrial waste and promote composite recycling, we produce part of our materials using recycled and reused fiberglass, contributing to a more circular and responsible production process.

Products are manufactured in Moldova and Romania and distributed across the EU and neighboring markets. We collaborate with architects, distributors, contractors, and system integrators who share our commitment to innovation and sustainability.

Contact us for partnership inquiries and technical documentation.

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