

SONO-ECO

NET MATERIAL

SONO Eco is the principle behind our innovative insulation solutions. It is entirely manufactured from glass fibers bonded without harmful binders, utilizing a mechanical pressing system.

Glass fiber is well-known for its corrosion prevention capabilities, making it a long-lasting product. Furthermore, its high thermal resistance makes it ideal for industrial use where non-combustible materials are required.

Technical Data

	Units	Sono-Eco 10	Sono-Eco 7
Thickn	[mm]	10±15%	7±15%
Density	[kg/m³]	145	100
Width	[m/roll]	1±0.1%	
Length	[m/roll]	5±5%	
Surface	[m²/roll]	5	
Toxicology		non-toxic	
Fiber Type		E-Glass	
Combustibility		A2:d0:S1 non-combustible	



Primary function: Vibration absorption, airborne sound insulation, and thermal insulation.

Applications: Mechanical engineering, installation construction, soundproof cabins, new apartments, and renovation projects, etc.

Delivery forms: Sealed rolls measuring 1 meter in width and 5 meters in length.

This material is 100% eco-friendly, made from mechanically pressed glass fibers without the addition of phenol-formaldehyde resins.



Impact sound reduction of 23 dB according to DIN EN ISO 10140-1,2,3,4,5:2021-09



Vibration damping is achieved due to the high density resulting from the mechanical bonding process of the glass fibers.



Thermal insulation is achieved through the captured air bubbles within layers of multi-axially arranged fibers and their low conductivity.



The thermal conductivity is 0.02 W.m-1.K-1. The fiber can withstand temperatures exceeding 650 °C and is non-combustible. The products are resistant to oils, solvents, and most chemical agents. They are also resistant to decay.



It is non-toxic.
GOST 30108-94 Materials and Building Elements. Determination of the specific activity of natural radioactive nuclei.



SONOTIZ – AT

Sonotiz AT consists of a SONO Eco mat covered with a hydrophobic non-woven protective material. Sonotiz AT is used as a thermal insulation layer as well as a sound insulator, reducing impact noise by up to 45.1 dB at 5000Hz, with a thickness of only 12mm.

The precise cutting of long glass fibers provides maximum density, excellent insulation, and robust physical qualities at high temperatures.

The top and bottom layers of spunbond provide a decoupling layer that helps protect against cracking of tiles and cement from floor movement.



Technical data

	Units	AT
Thickness	[mm]	12±15%
Density	[kg/m³]	150
Weight	[kg/roll]	20±15%
Width	[m/roll]	1.5±5%
Length	[m/roll]	10±5%
Surface	[m²/roll]	15
Toxicology		non-toxic
Fibers type		E-Glass
Combustibility		A2:d0:S1 non-combustible



Impact sound reduction of 24dB according to DIN EN ISO 10140-1,2,3,4,5:2021-09



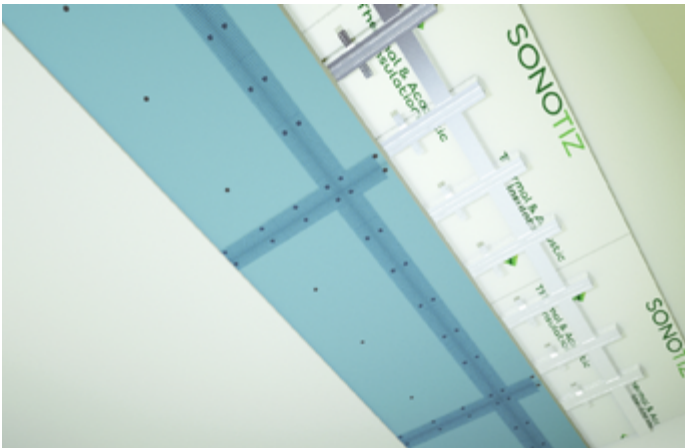
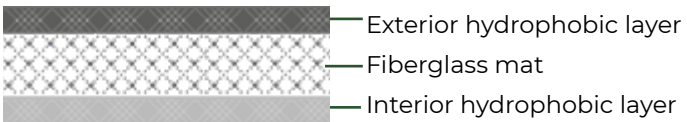
Methods of application:

- ✔ Under screed, creating a floating floor.
- ✔ Interior walls.
- ✔ Suspended and stretch ceilings.

Sonotiz AT is an excellent solution for sound, vibration, and thermal insulation of interior spaces. It is easy to install and possesses remarkable sound absorption properties, effectively reducing acoustic noise levels and addressing thermal insulation challenges. Furthermore, it retains its properties even when subjected to pressure, ensuring long-lasting performance.

✔ Sonotiz AT exhibits low thermal conductivity and is not affected by steam, oil, or water. It also maintains stability at high temperatures.

✔ It is thin, flexible, and easily bendable into various shapes.



SONO-AL

Sono-AL - provides non-combustible vibration and sound insulation as well as thermal insulation. The material is used for thermal and vibro-acoustic insulation of underfloor heating, pipes, smoke extraction systems, and more.

The initial layer consists of a 15 µm reinforced aluminium layer, followed by a 10mm thick glass ber mat, serving as a thermal and vibration insulation layer.



Application methods:

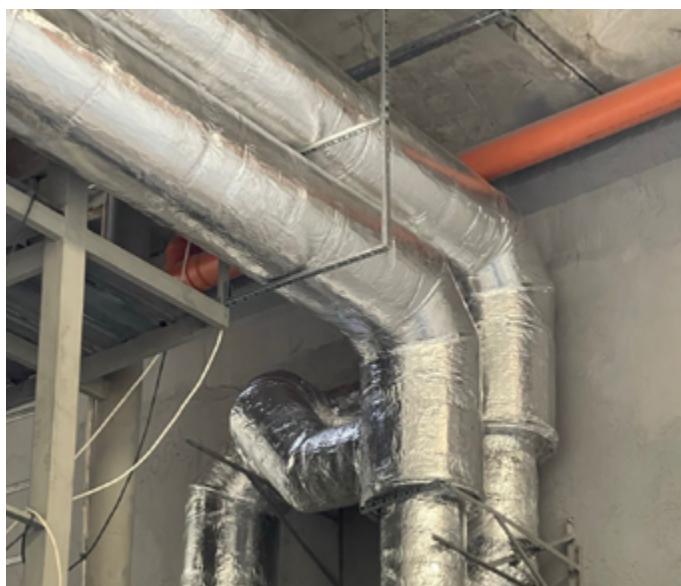
For thermal protection and vibration absorption applications:

- ✓ Industrial air conditioning systems.
- ✓ Smoke exhaust pipes.
- ✓ Underfloor heating.
- ✓ Stoves and heating pumps.
- ✓ Sewage pipes.

➤ Resistance to low temperatures and high humidity during application.

➤ Easy installation without the need for complex tools.

During winter, it helps reflect the heat generated by indoor heaters with its solid reflectivity. Its low emissivity significantly reduces external radiation losses, allowing for immediate energy savings and increased comfort.



Technical Data

	Units	SONO-AL
Thickness	[mm]	10±15%
Density	[kg/m³]	150±15%
Weight	[kg/roll]	8±15%
Width	[m/roll]	1±5%
Length	[m/roll]	5±5%
Surface	[m²/roll]	5
Toxicology		non-toxic
Fiber type		E-Glass
Combustibility	A2:d0:S1 non-combustible	



Impact sound reduction of 24dB according to DIN EN ISO 10140-1,2,3,4,5:2021-09

SONOFOL PE A|B|C

By blocking heat transfer through radiation, convection, and conduction, SonoFol PE surpasses many common types of insulation when it comes to thermal efficiency.

Three classes of SonoFol PE, namely A|B|C, are available to cater to different needs and price points.



Methods of application:

For thermal protection and vibration absorption purposes:

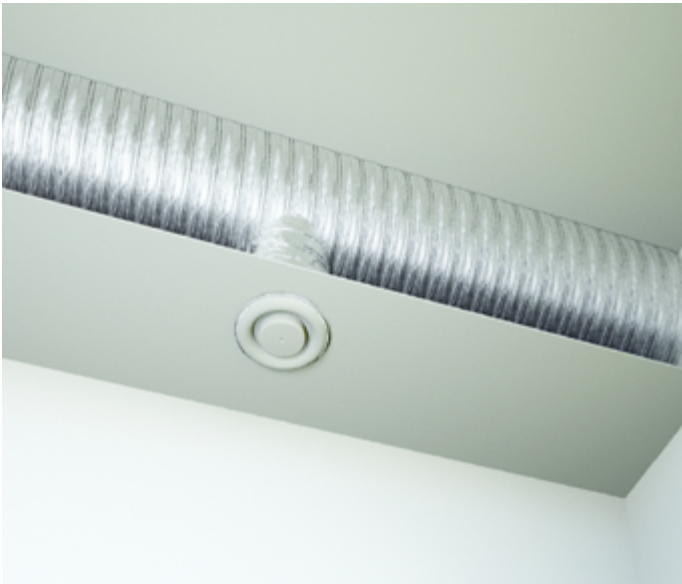
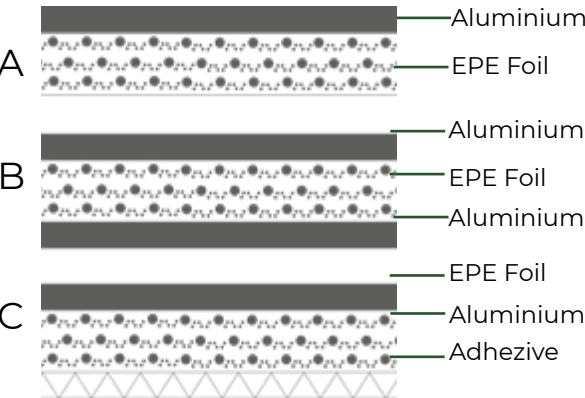
- ✔ **Industrial air conditioning systems.**
- ✔ **Smoke exhaust pipes.**
- ✔ **Underfloor heating.**

SonoFol PE is an insulating material composed of expanded polyethylene, coated with a 9 µm aluminum foil.

It is an easily installable, lightweight, and durable material that provides excellent thermal and acoustic insulation. The aluminum foil and EPE together form an efficient barrier against heat, cold, and moisture. Additionally, it reflects radiant heat, making it suitable for use in both hot and cold areas.

Technical Data

	Units	Sonofol-PE
Thickness	[mm]	6±0.15%
Weight	[kg/roll]	9.5±5%
Width	[m/roll]	1
Length	[m/roll]	15
Surface	[m²/roll]	15



SONOTIZ - ATA

Sonotiz ATA consists of the SONO Eco mat wrapped in an metallised protective non- woven layer. The top layer includes a reflective filament that provides a heat flux reduction barrier, protecting against energy loss or gain caused by heat dissipation in undesired areas. Installation can take place both indoors and outdoors and can be cut to fit around ceiling beams and rafters. When applied directly to the underside of the roof, Sonotiz ATA prevents the entry of cold air, heat leakage, and moisture accumulation.



Methods of Application:

For thermal protection, reflectivity, and vibration absorption purposes:

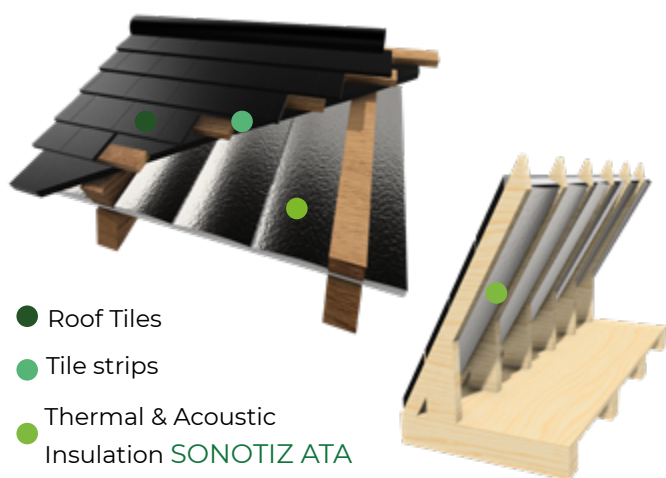
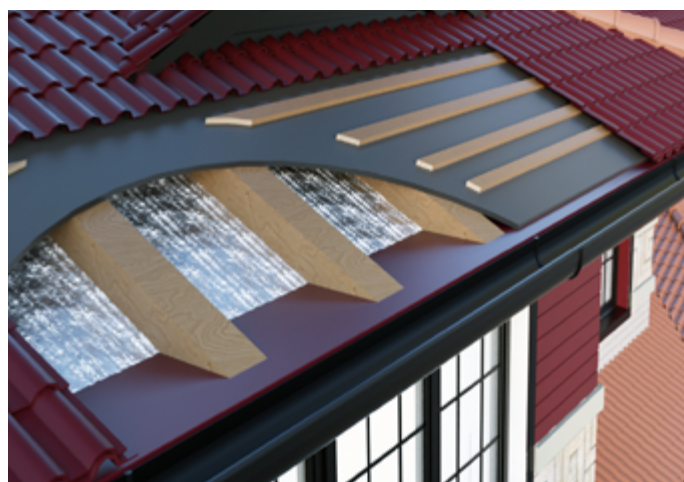
- ✓ Attics on the interior side.
- ✓ Ceilings.
- ✓ Under metal tiles.

During winter, Sonotiz ATA helps reflect the heat generated by interior heaters through solid reflectivity. Its low emissivity significantly reduces external radiation losses, leading to immediate energy savings and enhanced comfort. During summer, Sonotiz ATA's extremely low emissivity prevents thermal radiation from reaching the roof, reducing the need for air conditioning and enhancing comfort.



The conductivity is 0.02 W.m-1.K-1. The fiber can withstand temperatures above 650 °C and is non-combustible. A2:s1, d0 fire class.

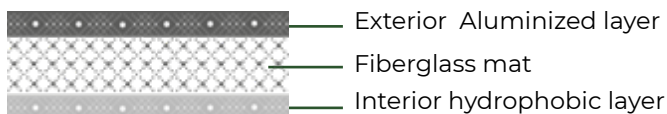
The products are resistant to oils, solvents, and most chemical agents. They are also resistant to decay.



- Roof Tiles
- Tile strips
- Thermal & Acoustic Insulation **SONOTIZ ATA**

Technical Data

	Units	ATA
Thickness	[mm]	12±5%
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Length	[m/roll]	10±5%
Surface	[m²/roll]	15
Toxicology		non-toxic
Fiber type		E-Glass
Combustibility	A2:d0:S1	non-combustible



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PLASTIFIBER ECO|PRO

Non-alkaline glass fiber cloth as a reinforcement material, combined with a high-temperature resistant adhesive, dried at high temperature and constant speed, then cut and processed.

- 1. Excellent insulation performance at high temperatures with a maximum temperature above 650 degrees Celsius.
- 2. Excellent electrical insulation performance with a breakdown voltage index of up to 20KV/MM.
- 3. Excellent bending strength and processing performance, remarkable resistance to bending and remarkable hardness. Suitable for punching and drilling in various gasket and punch shapes.
- 4. Excellent environmental protection performance. This product does not contain asbestos and produces little smoke and odor when heated.



Technical Data

Weight, g/m	300 ± 20%
Polymeric binder type	Latex
The mass fraction of the polymeric binder.	not less than 20%
Cloth width, mm	(1000, 1070, 1100, 1200, 1270)±20
Application area	Insulation of industrial pipes, etc.



Thermal resistance



Chemical resistance



Non-adezive



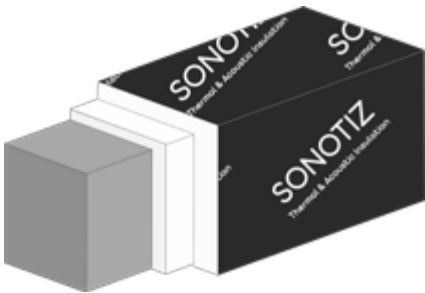
High tensile strength.



Durable



Low friction coefficient



FIBERGLASS MESH - 140 G/M²



This specific mesh is intended to reinforce floor screeds, cement, and lime plasters.

Big mesh sizes of 40×40 mm facilitate mesh sinking in concrete. The standard technique of strengthening screed floors with steel wire trusses is challenging to install and costly to transport. Compact size and light weight enable rapid and straightforward installation and prevent the high costs of transporting big objects.

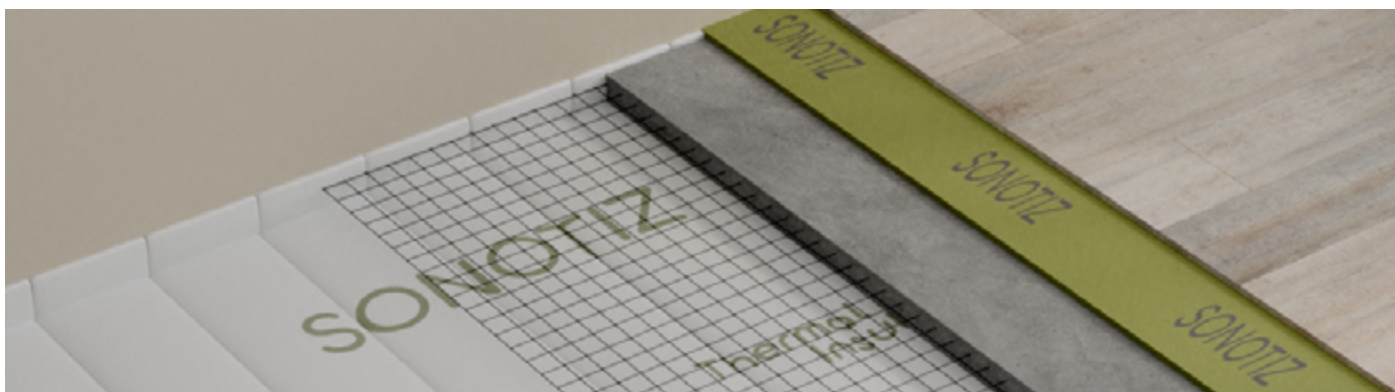
Due to its corrosion resistance, FGM screed mesh is frequently used to strengthen lintels instead of steel wire mesh. Materials of the highest quality were employed for manufacturing, resulting in outstanding technical characteristics. Alkali resistance is a property of mesh that ensures persistent reinforcing.

Technical Data

Packing

Mass / density	140 g/m ²	50 m / roll	15 rolls in a box
Article	PFS 140	1 euro pallet	30 rolls
Cell size	40*40 mm		
Breaking characteristics (initial condition, N/5 cm, wrap/weft)	>2000 / >2000		
Lenght	50 m		
Width	1 m		

Storage: in dry place in an upright position in the manufacturer's packaging



SONO BLOCK

SONO-BLOCK is an insulating sound panel, meticulously manufactured from wood fiber processed in the form of a sheet, having a distinct wavy structure. This is complemented by a fine, evenly distributed quartz filler. The installation of these panels is provided in locations where sound insulation is essential.

SONO-BLOCK panels must be stored in a dry environment, away from high humidity or direct exposure to moisture.

The panels must be stored in the exact environment where they will be installed for a minimum of 24 hours. This acclimatization period ensures that the panels adapt to the ambient conditions, optimizing their performance and sound absorption effectiveness.

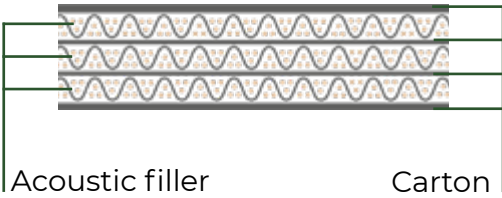
To prevent bending, SONO-BLOCK panels must be placed in a horizontal position during storage and handling.

By strictly following these storage guidelines, users can maximize the effectiveness and longevity of the panels.



Technical Data

	Units	SONO BLOCK
Length	[mm]	1200
Width	[mm]	800
Thickness	[mm]	12
Surface	[m²]	0.96
Weight	[kg]	17.5



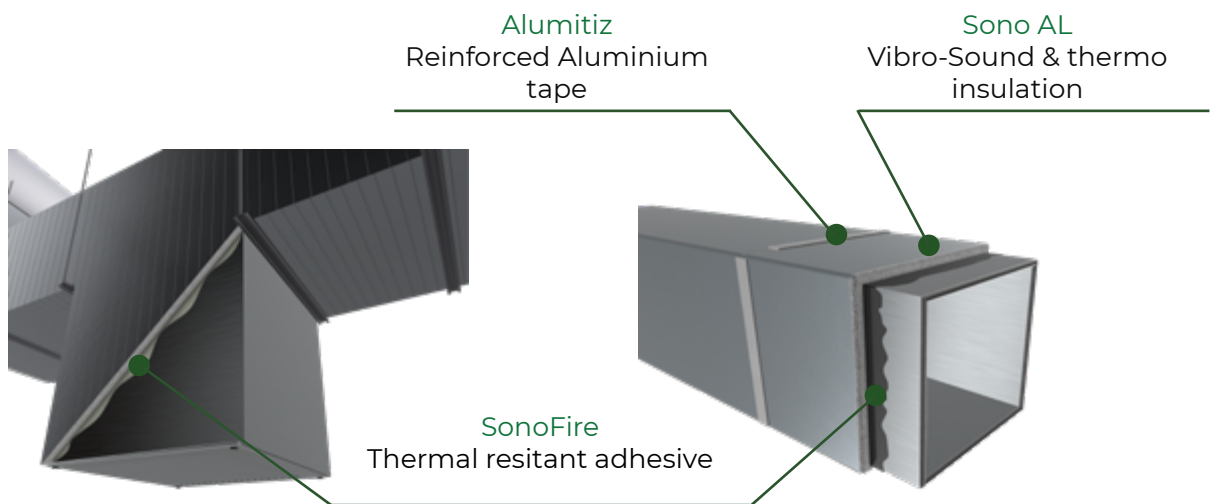
SONOFIRE

ACCESSORIES



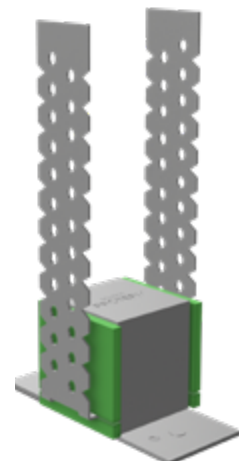
SONOFire is composed of silicate components and possesses attributes of adhesion, cohesion, and fire resistance. The mixture includes heat-resistant filler materials and additives that enhance its adhesion to fire-resistant metals and silicate components.

SONOFire creates a strong and long-lasting adhesive, making it ideal for projects requiring up to 2 hours of fire resistance. Once set, the bond can withstand strong impact and provide impact rigidity to the adhered material. Furthermore, it can be applied manually or through a pumping system using an extrusion nozzle or trowel head for higher productivity levels.



PROTEFIX

PROTEFIX vibration suspension is a professional isolator support used primarily in the framework of suspended ceilings to protect spaces from structural noise and enhance the overall efficiency of the sound insulation system. The profile is mounted on a perforated straight hanger, which is sandwiched between two anti-vibration pads made of a special elastomeric material of varying thicknesses. It does not have rigid connections to the metal frame of the product, allowing for high rates of vibration damping from shocks and airborne noise.



SONO BOND PRO

SonoBond Pro – a general purpose solvent-based adhesive specially designed for the application of our premium SONOTIZ insulation materials to walls, ceilings and various structures.

This high-performance adhesive serves as a crucial backing layer, facilitating an effortless installation process and ensuring optimal sound insulation.

Please note that mechanical fixation in the system is still required for a comprehensive and lasting result.



Safety Features and Guidelines for Use: SonoBond Pro places safety at the forefront of its design and application. To ensure optimal use, please observe the following safety guidelines:

Ventilation: Use SonoBond Pro in well-ventilated areas. Ensure proper air circulation during application.

Protective Equipment: Wear appropriate protective equipment, including gloves and a mask, during application to prevent skin contact and vapor inhalation.

Avoid Eye and Skin Contact: In case of contact with eyes or skin, rinse immediately with plenty of water. Seek medical attention if irritation persists.

Keep Out of Children's Reach: Store the adhesive in a safe place out of the reach of children and pets.

Application Responsibility: The user is responsible for the correct application of SonoBond Pro in accordance with the instructions provided.

Compatibility Testing: Before large-scale application, perform a compatibility test on a small unseen surface to ensure compatibility with the intended surface.

Mechanical Fixation: While SonoBond Pro facilitates easy installation, it is essential to mechanically fix SONOTIZ insulation materials into the system for a secure and durable result.

Conditions for safe storage: Carefully and tightly seal open containers and use contents as soon as possible. The lids of the packages must be closed immediately after application. Store in a cool, dry and ventilated place. Product thickened due to storage in too cold conditions should be stored at room temperature with mixing before use. To keep at temperatures between 10-30°C. The product is sensitive to frost and should not be stored at temperatures below 10°C.

Liability: The manufacturer is not responsible for misuse, negligence, or any damages resulting from the use of SonoBond Pro that deviates from the instructions provided.

Choose SonoBond Pro for a superior adhesive experience – revolutionizing the way you apply our SONOTIZ insulation materials for optimal sound insulation. Your satisfaction is our commitment.



· Thermal · Vibro · Acoustic · Insulation ·



WOOD TECH SOLUTIONS SRL

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