



SONOTIZ

Thermal & Acoustic Insulation

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Sonotiz consists of SONO Eco mat covered with a non-woven protective material. SONO Eco itself consists entirely of fiberglass, manufactured using a mechanical pressing system that allows the fibers to create a bonded product without binders. In addition, the precise cutting of long glass fibers provides maximum density, excellent insulation and robust physical qualities at temperatures up to 650°C. The top and bottom layers of spunbond provide a decoupling layer that helps protect against tile and cement cracking from floor movement.

Technical data	Unit	Sonotiz AT
Thickness	[mm]	12±15%
Density	[kg/m ²]	1.6±10%
Weight	[kg/mat]	22±0.5
Width	[m/mat]	1.5±0.1%
Length	[m/mat]	10±1%
Surface	[m ² /mat]	15
Physiology		it's not dangerous
Toxicology		it's not dangerous
Types of Fibers		E-Glass
Combustibility		non-combustible A2:S1:d0

Applications:

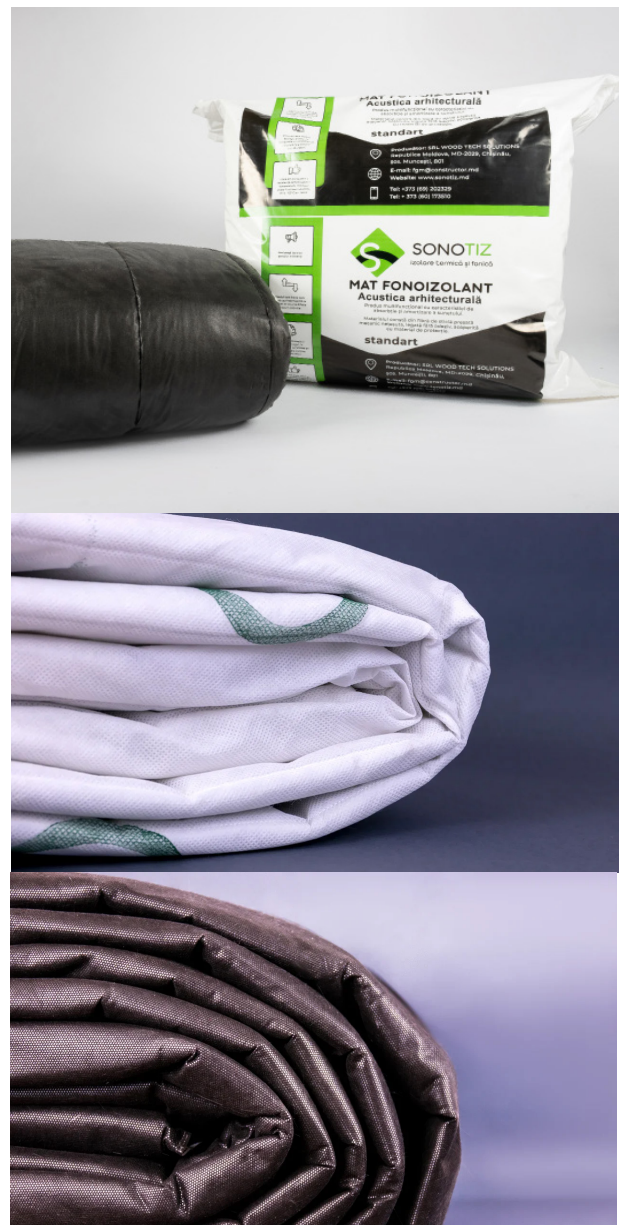
- Roof sound insulation and vibration absorption layer; Sound insulation of interior walls for protection against airborne and vibro-acoustic noise. Recording studios, private theaters and public theaters can all benefit from an extra layer of soundproofing and anti-reverberation material on their walls, partitions and ceilings. It finds wide use in both domestic and public and industrial buildings. The technology reduces the penetration of airborne noise from the home and the transmission of impact sound into the rooms below.
- Under the screed, SONOTIZ can be used as an elastic vibration damping layer to minimize structural noise. In the design of soundproof walls and ceilings, it can be used as a shock and noise absorbing layer. SONOTIZ is a widely accessible material for quickly solving sound and thermal insulation challenges due to its unusual adaptability, durability, ease of installation and outstanding sound absorption capabilities

Technical specification

DOC NO. 010

THE NAME OF THE PRODUCT:

SONOTIZ AT



- **Main function:** Impact sound absorption and thermal insulation.

Applications: Mechanical engineering, installation constructions, soundproof cabins, new apartments and renovation objects, etc.

Method of application on the floor under the screed: After cleaning the surface of debris and dust, the SONOTIZ AT mat is placed lengthwise. It is necessary to cut the material with a margin so that its ends face the walls. So we measure the required length and to this add the dimensions of the "sides" (their height is determined by the thickness of the screed plus at least 5 cm extra).

We place the next mat along the first, making an overlap of about 5 cm and thus cover the entire floor. As a result, we get the appearance of a bowl, into which the screed is poured (minimum screed thickness of 50 mm or 80 kg per m²). After leveling, the remaining excess must be cut and insulated.

Laboratory measurement of impact noise reduction transmitted by floor covering on a reference floor according to DIN EN ISO 10140-1,2,3,4,5:2021-09 : -24 dB

Fire classification of construction products and construction elements - EN 13501-1 - Flammability test (EN ISO 1182) : A2:d0:S1

