SONOTIZ
Thermal & Acoustic Insulation

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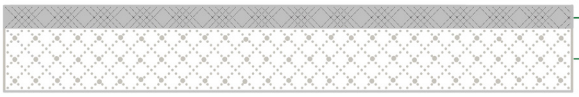
Technical specification

DOC NO. 012

THE NAME OF THE PRODUCT:

Sono-AL



SONO-AL material is used in ventilation systems for both thermal insulation and vibration damping. Specifically, it is laminated with reinforced aluminum on the outer face to increase its durability. Its applications include thermal and sound insulation for pipes, ventilation systems, smoke extraction ducts and other systems that require vibration damping in tandem with thermal insulation.

Technical data		
	Unit	SONO-AL
Thickness	[mm]	10±15%
Density	[kg/m³]	150±15%
Weight	[kg/roll]	8±15%
Width	[m/roll]	1±2.5%
Length	[m/roll]	5±5%
Surface	[m²/roll]	10
Physiology		it's not dangerous
Toxicology		it's not dangerous
Types of Fibers		E-Glass
Combustibility		non-combustible A2:S1:d0

Applications:

- For thermal protection and use with vibration absorption in ventilation and smoke exhaust systems.
In winter, it helps reflect heat generated by indoor heaters under solid reflectivity. Its low emissivity significantly reduces external radiation losses, allowing immediate energy savings and comfort. During the summer, the extremely low emissivity of Sono-AL prevents thermal radiation from interfering with the internal climate of the system.

- **Basic function:** Sound absorption of impact sound and thermal insulation.
Applications: Mechanical engineering, installation constructions, soundproof cabins, industrial ventilation systems, smoke exhaust systems.

Processing: The surface of the system must be carefully cleaned of dust, grease, oil and water. Adhesion must be ensured on the entire surface. The adhesion force directly depends on the machining pressure. The material must be pressed firmly, e.g. using a feed roller. It is applied using a high quality SONOFIRE acrylate based adhesive layer.

Delivery forms: Packed rolls 1 meter wide and 5 meters long.

A2:s1:d0 classification of SONO-AL according to EN 13501-1 - Flammibility Test (EN ISO 1182).
23 db reduction of impact sound pressure level of SONO-ECO according to DIN EN ISO 10140-1,2,3,4,5:2021-09
Thermal conductivity of 0.042 W/m*K according to SM SR EN12664:2011