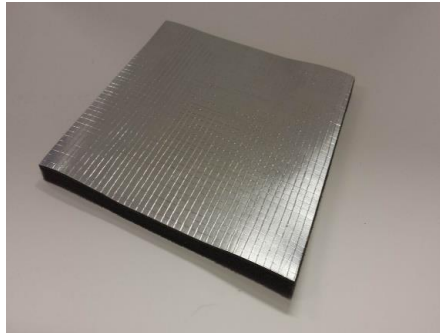


SOUND INSULATION

SONIMASS – flexible sound-insulating mass layer



SONIMASS	Weight	Thickness
ALU GRP - 30µm	4.3 kg/m ²	12 mm
ALU B - 30µm	4.3 kg/m ²	12 mm
ALU GRP : Reinforced aluminium foil ALU B : Black aluminium foil		

Characteristics

Sonimass is a flexible sound-insulating ground sheet consisting of 30 µm aluminium foil, 1.6 mm flexible plastic ground sheet (fully recyclable), 10 mm polyether foam.

Properties

- Excellent airborne sound insulation
- Excellent impact noise insulation
- Easy to cut with a (Stanley) knife or with industrial scissors
- Anti-condensing vapor-proof mass layer
- Elongation at fracture 90 %
- Coefficient of thermal conductivity 0.0385 W/mK
- Color: aluminium or black
- Applicable from -30 to 80 °C
- Fire class: B-S₂-D₀ (EN 13501-1)
- Halogen free version of Sonimass ALU GRP and Sonimass ALU B available upon request

Application

Rainwater pipes and sewer pipes
 Air ducts and pipes
 T pieces in the utility buildings, offices and residential buildings
 Air-conditioning systems
 Heating systems
 Plastic pipes

Processing

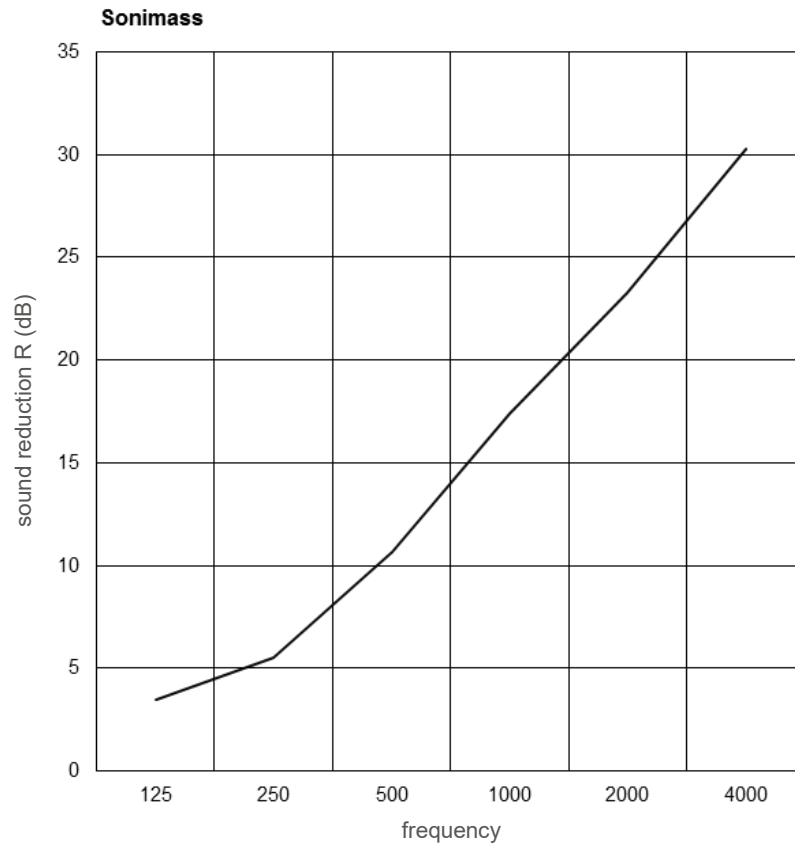
Wrap around duct or pipe, if necessary fasten with aluminium tape. Secure with steel wire.
 Cover seams with aluminium tape
 Make sure the sheets of the material align properly or, even better, with an overlap of at least 30 mm (follow the steps on the application sheet)

Dimensions

1000 x 2000 mm sheets, (on rolls)
 Other versions available upon request
 Weight and thickness, see table above

AIRBORNE SOUND INSULATION

Insulation material : SONIMASS ALU
 Measured in accordance with : EN 14366:2004



Sonimass measuring results			
Volume flow in l/s	Standardized sound level $L_{n,A}$ in dB(A)		Reduction in dB(A)
	Without covering	With covering	
0,5	59,0	40,0	19,0
1,0	62,0	42,0	20,0
2,0	65,5	47,0	18,5
3,0	68,5	50,0	18,5
4,0	69,5	52,0	17,5
Average			18,7