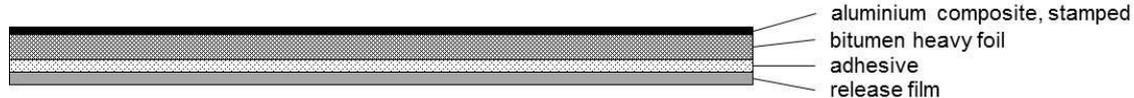


Technical Data Sheet

Sonit[®] BS ALU



Sonit[®] BS ALU is a heavy foil based on bitumen, filled with minerals, as a cover layer a stamped aluminium composite is applied. Self-adhesive equipment with a high-quality adhesive system based on acrylate.

Technical Data			
Type (Sonit [®] BS ...)		30 ALU	40 ALU
Thickness (approximate)	[mm]	2.0	2.6
Weight (approximate)	[kg/m ²]	3.0 ± 0.3	4.0 ± 0.3
Density (approximate)	[g/cm ³]	1.9	
Loss factor DIN EN ISO 7621-3: d _{200 Hz} at 20 °C on 1 mm steel sheet		0.13	0.17
Thermal stability during 2 h	[°C]	80	
Adhesive strength at 20 °C	[N/cm]	> 4	
Thorn bending 10 °C	[mm]	20	30
Combustibility DIN EN ISO 11925/2/EN13501-1 DIN 75200	[mm/min]	class E burn rate < 100	
Chemical resistance		water, alcohols, dilute acids and caustics	

Technical Data				
Type (Sonit [®] BS ...)		50 ALU	80 ALU	110 ALU
Thickness (approximate)	[mm]	2.6	4.8	6.1
Weight (approximate)	[kg/m ²]	5.0 ± 0.3	8.0 ± 0.3	11.0 ± 0.3
Density (approximate)	[g/cm ³]	1.95	1.8	1.9
Loss factor DIN EN ISO 7621-3: d _{200 Hz} at 20 °C on 1 mm steel sheet		0.20	0.26	0.20
Thermal stability during 2 h	[°C]	80		
Adhesive strength at 20 °C	[N/cm]	> 4		
Thorn bending 10 °C	[mm]	30	40	50
Combustibility DIN EN ISO 11925/2/EN13501-1 DIN 75200	[mm/min]	class E burn rate < 100		
Chemical resistance		water, alcohols, dilute acids and caustics		

Technical Data Sheet

Sonit[®] BS ALU

Main function:	Airborne sound insulation and structure-borne sound insulation (anti-drumming)
Applications:	Vehicle and body constructions, household appliances, ship building, mechanical engineering, partition walls, air ducts, soundproofing doors, noise damper etc.
Processing:	The surface must be carefully cleaned from dust, grease, oil and water. Full area adhesion has to be insured. The adhesion strength is directly dependent from the processing pressure. The material has to be pressed in firmly, e.g. using a feed roll. Cold adhesions should not be occurred below 20 °C material temperature.
Storage conditions:	Dry at temperatures between 18 - 25 °C Max storage time: 3 months
Delivery forms:	Standard boards approx. 1,000 x 1,000 mm, tolerance ± 1% conditionally. Other sizes and cut-to-size pieces upon request.
Labelling:	The product is not subject to labelling according to EC directives / Ordinance on Hazardous Substances.

The technical data (average values) as well as material information are based on our present knowledge and experiences. They free the user because of the fullness of possible influences by the application of our products, however, not from own tests and attempts in the approach of the real application. Because of the peculiarities of every individual case we can take over no liability for our indications. On request we are available gladly with information.