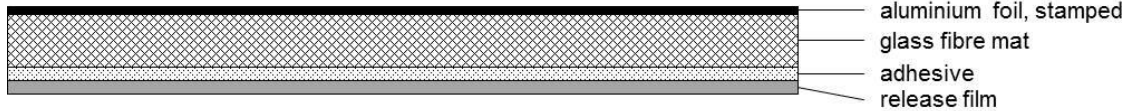


## Technical Data Sheet

## S 3511



S 3511 is a stable glass fibre mat, laminated with a stamped aluminium foil (thickness approx. 0.1 mm).  
 Self-adhesive equipment with a high-quality adhesive system based on acrylate.

Technical Data				
Type (S 3511/...)		3	7	12
Thickness (approximate)	[mm]	3.0 ± 2.0	7.0 ± 1.0	12.0 ± 1.0
Weight (approximate)	[kg/m <sup>2</sup> ]	1.25 ± 0.2	2.0 ± 0.25	3.4 ± 0.4
Thermal stability 2h	[°C]	180		
Radiation heat on aluminium	[°C]	max 250		
Cold resilience	[°C]	- 40 (bonded)		
Heat conductivity ISO 8301	[W/mK]	0.035		
Heat transfer resistance	[m <sup>2</sup> K/W]	0.1	0.2	0.35
Peel resistance	[N/mm]	> 0.5		
Combustibility FMVSS 302 DIN 75200	[mm/min]	burn rate < 100		
Burning behaviour EN 45545-2 (04/2018)		flame spread CFE rate of heat emission MARHE smoke density smoke toxicity CIT <sub>G</sub>	R1, HL3 R1, HL3 R1, HL3 R1, HL3	

**Main function:** Heat insulation

**Applications:** Rail vehicle construction, vehicle construction

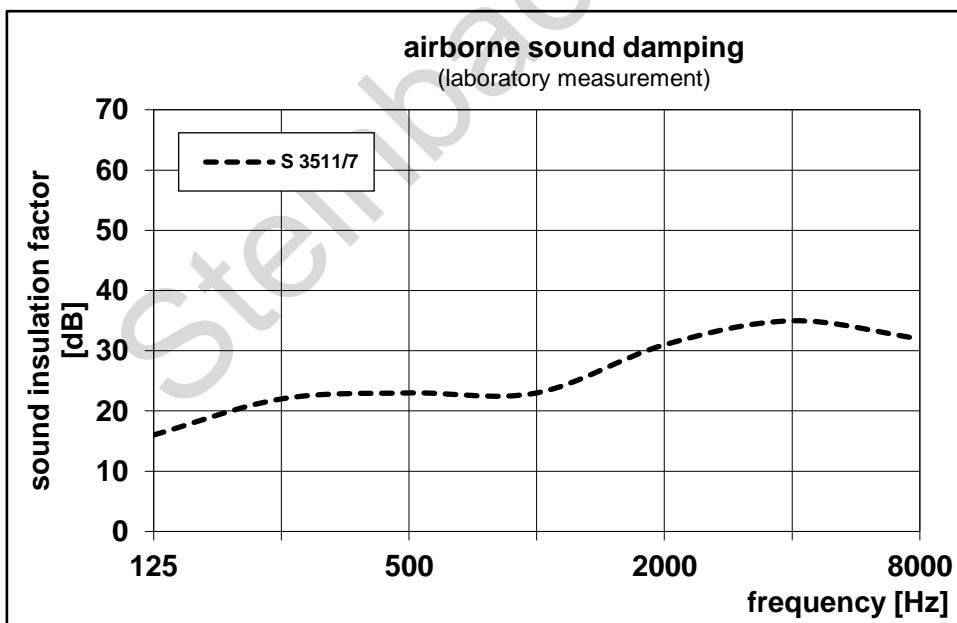
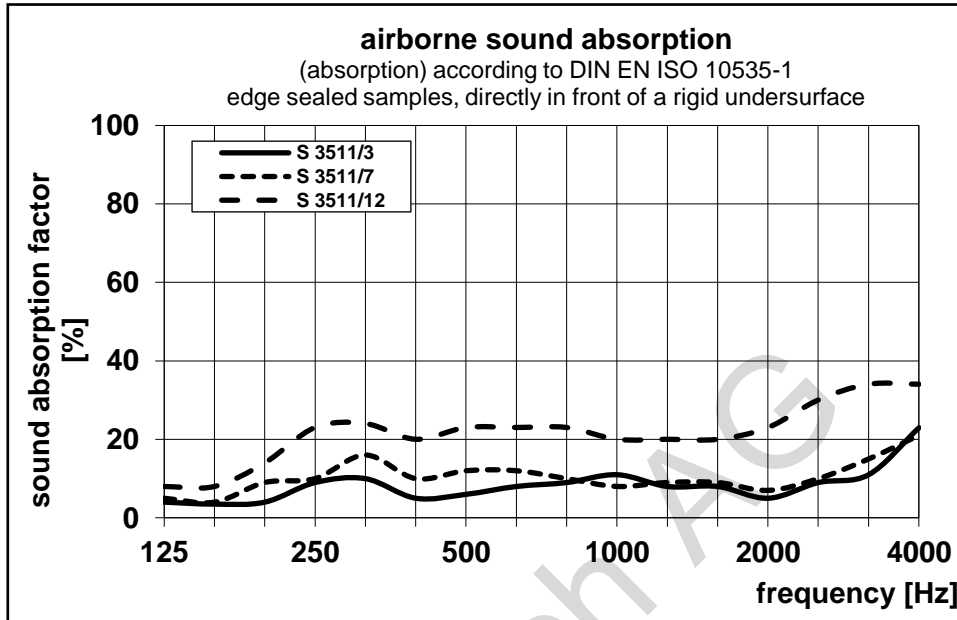
**Processing:** The surface must be carefully cleaned from dust, grease, oil and water. Full area adhesion has to be insured. The adhesion strength is directly dependent from the processing pressure. The material has to be pressed in firmly, e.g. using a feed roll.  
 Processing temperature: 18 - 25 °C

**Storage conditions:** Dry at temperatures between 18 - 25 °C  
 Max storage time: 6 months

**Delivery forms:** Standard boards approx. 1,000 x 1,600 mm,  
 other sizes and cut-to-size pieces upon request.

# Technical Data Sheet

# S 3511



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.