Steinbach AG
Industrial Components

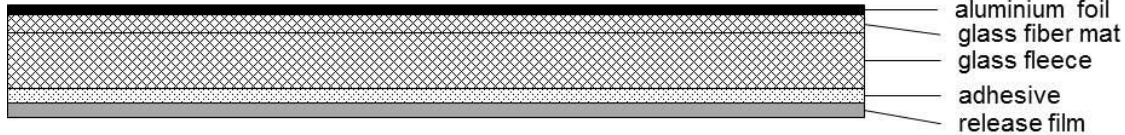# Technical Data Sheet Isoglamat® 4/21 ALU

aluminium foil
glass fiber mat
glass fleece
adhesive
release film

Isoglamat® 4/21 ALU is a combination of a quilted mat from e-glass-fibers (thickness approx. 4 mm) and a mechanically solidified needle fleece material from e-glass (thickness approx. 21 mm). The two glass fiber materials are binderless needled together. The product is laminated with aluminium foil (thickness approx. 100 µm). Self-adhesive equipment with a high-quality adhesive system based on acrylate.

Technical Data		
Thickness (approximate)	[mm]	25.0
Weight (approximate)	[kg/m²]	4.5
Thermal stability short term	[°C]	230
Thermal stability long term	[°C]	200
Cold resilience	[°C]	- 40 (bonded)
Heat conductivity (50 °C)	[W/mK]	0.049

Main function: Heat insulation

Applications: In the engine compartment, with turbochargers, catalytic converters, furnace, heaters 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.
Processing temperature: 18 - 25 °C

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

Delivery forms: Standard boards 1000 x 1000 mm, other sizes and cut-to-size pieces upon request