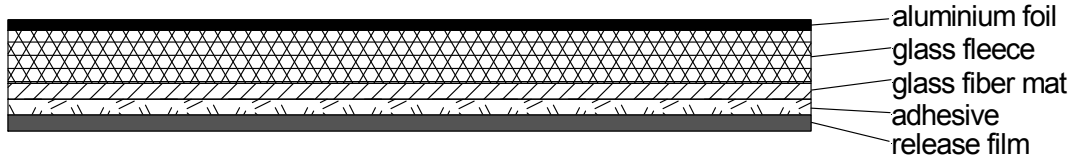


## Technical Data Sheet

## Isoglamat 4/21 Alu



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 ennobled bonding agent-free with one another. The product is covered with aluminium foil (thickness approx. 100 µm). Self adhesive equipment with a high-quality adhesive system based on arcylate.

Technical Data		
Thickness (approximate)	[mm]	25.0
Weight (approximate)	[kg/m <sup>2</sup> ]	4.0
Heat Resistance Long Term	[°C]	160 (quilting thread) 500 (glass fiber)
Cold Resilience	[°C]	- 40 (bonded)
Heat conductivity glass mat	[W/mK]	0.047 (at 100 °C) 0.069 (at 250 °C)
Heat conductivity glass fleece	[W/mK]	0.042 (at 100 °C) 0.102 (at 500 °C)
Burning Behavior		Non-inflammable

**Main Function:** Heat isolation

**Applications:** Engine compartment, with turbochargers, within the exhaust range, catalytic converters, furnaces, 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 - 35 °C  
 Max. storage time: 6 months

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

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.