

Product description

Self-adhesive foam absorbent which is covered with aluminised polyester film. The sound absorbent is made of compressed polyether granulate and has a silver protective film.

Application

For sound absorption when noise damping machinery and equipment, including in machine enclosures, engine compartments within the food industry and in places where moisture occurs. The film protects against the ingress of water, certain oils, microorganisms, etc., and is easy to clean.

IKALON 135 ALU/MK is robust against mechanical stresses.

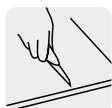
In the thin sheet constructions, IKALON ALU/MK 135 will potentially act as an anti-vibration damper on sheet vibrations. The aluminium foil is also heat-reflective against radiant heat.

Acoustic data

The material's sound-damping property depends on the absorption coefficient that indicates the ratio of absorbed and incident sound energy. This means the larger the absorption coefficient, the better the noise damping. The absorption coefficient depends on the frequency and material thickness, see the graphs to the right.

Assembly

The underlay is cleaned of dust, grease, moisture and other contaminants. Even an underlay like IKALON must be at room temperature (minimum 15 °C) before starting assembly.

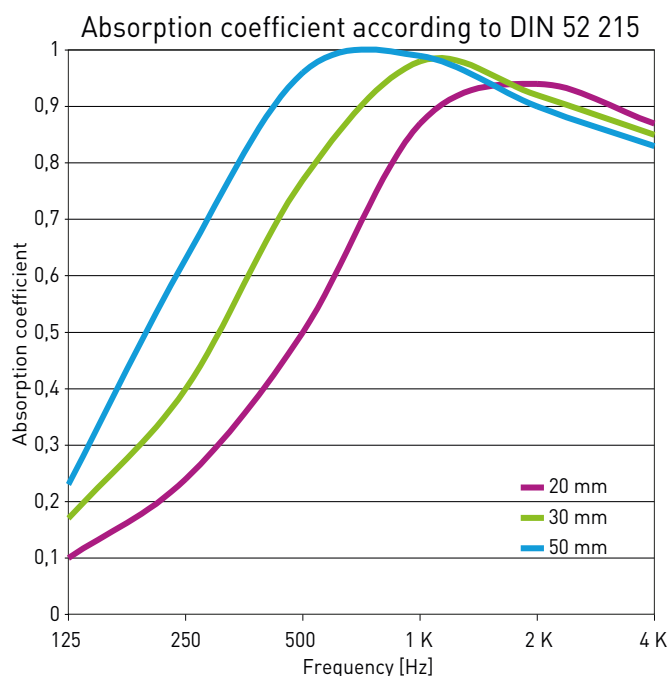


Cut with a sharp knife or similar before the protective paper is removed.



Absorbent underlay, such as untreated wooden boards, should be primed with a contact adhesive type 555.

Mechanical attachment: Under extreme conditions (bad gluing surface, downward-facing underlay, difficult installation conditions), further mechanical fastening is recommended, such as screws and washers. Mechanical mounting is always recommended during assembly of the two heaviest types (30 and 50 mm) on the downward-facing surfaces.



	Product data		
Thickness	20 mm	30 mm	50 mm
Width	1.0 m	1.0 m	1.0 m
Length	1.0 m	1.0 m	1.0 m
Density	135 kg/m ³	135 kg/m ³	135 kg/m ³
Adhesiveness	15 N/cm ²	15 N/cm ²	15 N/cm ²
Colour	Shades of grey foam with a silver foil surface		
Temperature range	-40 °C to +100 °C		
Properties	Flame retardant according to MVSS 302, class SE. The material is self-extinguishing and we recommend that it is placed at least 20 cm from hot metal parts. It must not be placed where it could absorb flammable liquids.		