

## Product description

Very effective sound absorbent, fitted with self-adhesive on one side. The sound absorbent is made of compressed polyether granulate with open cells held together with a binding agent. This gives the material a relatively high density and a "speckled appearance".

## Application

For sound absorption for noise damping of machinery and equipment, including in machine enclosures, engine compartments and sound effects where high noise reduction is required.

IKALON 135 is extremely robust when exposed to mechanical stresses such as shock and wear. In the thin sheet constructions, IKALON MK 135 will potentially act as an anti-vibration damper on sheet vibrations.

## 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 (about 20 °C) before starting the assembly.

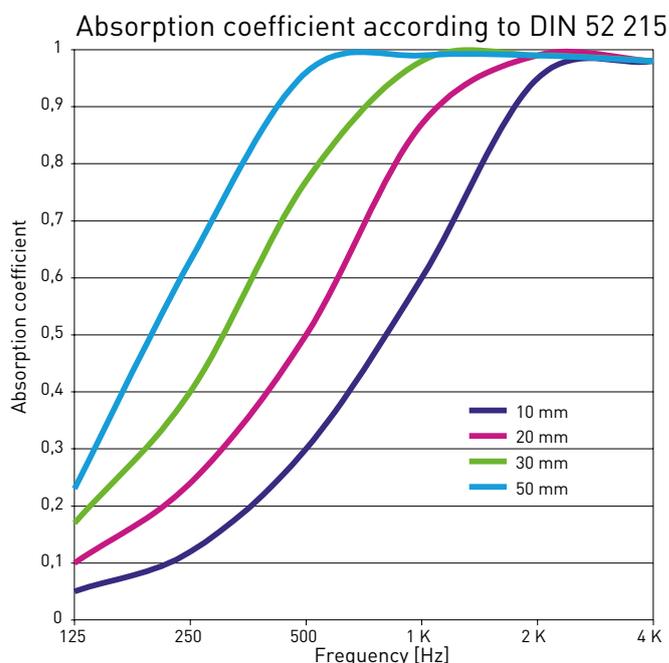


Cut with a sharp knife or similar before the protective paper is removed.



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			
	10 mm	20 mm	30 mm	50 mm
Thickness	10 mm	20 mm	30 mm	50 mm
Width	1.0 m	1.0 m	1.0 m	1.0 m
Length	2.0 m	2.0 m	2.0 m	2.0 m
Density	135 kg/m <sup>3</sup>	135 kg/m <sup>3</sup>	135 kg/m <sup>3</sup>	135 kg/m <sup>3</sup>
Adhesiveness	15 N/cm <sup>2</sup>	15 N/cm <sup>2</sup>	15 N/cm <sup>2</sup>	15 N/cm <sup>2</sup>
Colour	Shades of grey			
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 soak up flammable liquids.			