

Product description

Self-adhesive sound absorbent foam material that has a textured surface (see the sketch below). The sound absorbent is made of charcoal grey polyester foam.

Application

As sound-absorbing casing for printer boxes, machine guards and the like. Can be used as soundproofing in ceilings in drivers' cabs. The sound absorbent is particularly suitable for damping high-frequency noise, i.e. sound waves with a short wave length such as ultrasound.

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 graph 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 assembly.



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

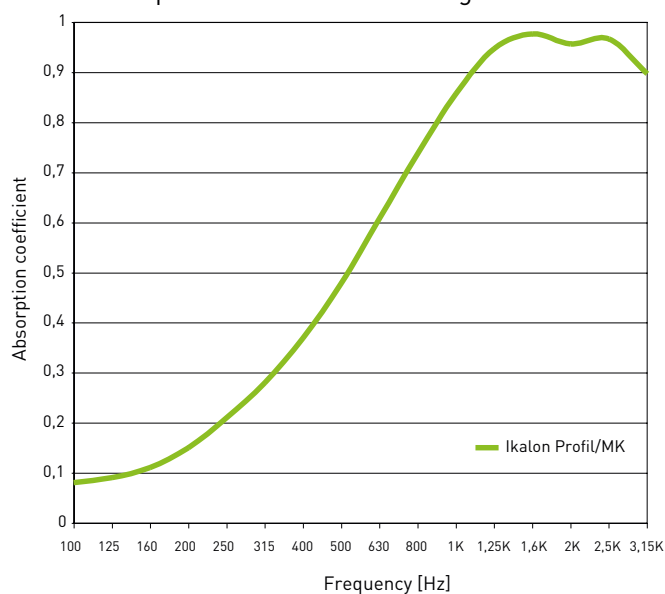


Absorbent underlay, such as untreated wooden boards, should be primed with a contact adhesive type 555.

Mechanical attachment: Under extreme conditions (bad gluing surface, downward-facing underlay, difficult installation conditions), further mechanical fastening is recommended, such as screws and washers.



Absorption coefficient according to DIN 52 215



Product data	
Thickness	See the sketch above
Width	1.2 m
Length	2.0 m
Density	33 kg/m ³
Coefficient of thermal conductivity	0.036 w/m °C
Colour	Charcoal grey
Temperature range	-30 °C to +90 °C. For short times, up to 120 °C
Properties	Flame retardant according to FMVSS 302. The material may burn when the temperature becomes sufficiently high and must therefore be situated at least 20 cm from hot metal parts. It must not be placed where it might absorb flammable fluids. Strong heating releases toxic gases that may be harmful