



Product description

Sound attenuation element with optimized sealing characteristics consisting of a special material combination developed for extraordinary airborne-sound absorption with focus on the excellent barrier action of the surface skin. Largely open-cell polyurethane foam whose surface is sealed to be permeable to sound, converts sound energy to heat by friction in the cell frame already at small thickness of the material.

Product properties

The 25µ thin polyurethane surface skin is resistant to soiling and splash water. The material is widely resistant to petrol and engine oil splashes and is easy to clean. The surface sealing protects from mechanical damage. Outstanding age resistance. The material complies with fire class E of DIN EN 13501 and therefore also meets the requirements of DIN 4102 B2.

Applications

All areas in the capsule construction, mechanical engineering and commercial vehicle sectors, where mechanical stress and loads resulting from oil or petrol splashes exist. For applications with improved fire resistance.

Form of Delivery

Rolls of 1000 mm useful width. Panels, blanks, punches, with self-adhesive coating.

Thicknesses: 10, 20, 30, 40 and 50 mm (other thicknesses on request).

Processing

Install only on dry, grease-free, clean surfaces; press full surface firmly in contact. Using a sharp knife, you can cut the material easily to the size you need.

Special Instructions

Materials with soft foam structure tend to have dimensional changes during processing (punching, cutting, pressing,

Technical data

Colour	–	Foam: anthracite, surface: black
Fire behaviour	EN 13501 FMVSS302/DIN 75200 UL94	Class E (MPA* 104770) <100mm/min HF1(according)
Foam bulk density	EN ISO 845	30 ± 2 kg/m³
Foam compression hardness	EN ISO 3386	5.0 ± 0.8 kPa (at 40% deformation)
Foam tensile strength	EN ISO 1798	>80
Foam ultimate elongation	EN ISO 1798	>120%
Thermal conductivity	–	approx. 0,04 W/m K
Operative temperature range	–	-40°C to +100°C, briefly higher
Environment aspect	–	Fibre-free, foamed CFC-free, physiologically harmless.
Storage conditions	–	Cool and dry, 6 months

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Hanno[®]-Protecto 20 B2

wrapping, installation, etc.) In general, the dimensional tolerances of DIN 7715-P3 can be met. For special dimensional requirements, please contact our customer service.

Cleaning

Skin cleaning with soap and water. Removal of adhesive residue is possible with a gasoline based cleaner. Please observe safety regulations.

Environment and disposal

Material residues can be disposed of with household waste. Local regulations must be observed.

Safety Instructions

In view of the existing data and experience, the product is not hazardous material in the meaning of the Hazardous Material Regulations and the corresponding EC directives. We recommend however that you take the same care and use the same hygiene as is customary with chemical materials.

Restriction of liability

Our General Terms and Conditions of Sales with the warranty conditions which you can refer to at

www.hanno.com, apply. This data sheet provides non-binding information without the assurance of guarantee. The stipulated instructions for use are to be adapted to the given conditions. The user is obligated to validating the suitability and application possibility of the product by testing it himself, so as to avoid failures for which we assume no liability. The right to make technical changes is reserved.

You can request the latest version of this datasheet from **info@hanno.com**.

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