

Hanno®-Tect-UF free



Product Description

Open-cell, flexible melamine resin foam, hydrophobically impregnated without PFAS.

Product Properties

- Water-repellent
- High-temperature resistance
- Low thermal conductivity
- Very good fire resistance
- Good chemical resistance
- Low bulk density
- Excellent sound absorption capacity



Applications

- Vehicle Manufacturing
- Thermal and Acoustic Insulation
- Rail Vehicles

Form of Delivery

- Sheets
- Cut-to-size pieces
- Die-cut parts
- Self-adhesive, removable
- Modified surfaces
- Thicknesses from 10 to 50 mm

Processing

Apply only to dry, grease-free, clean surfaces. Press the surfaces firmly together. Ensure that sufficient contact pressure is applied to achieve full-surface contact. Application temperature: 18–96 25%B0C. You can easily shape the material and cut it to size with a sharp knife.

Technical Data

Property	Standard	Value
Color	%96	gray
Bulk density	EN ISO 845	8 ± 2 kg/m ³
Fire behavior	EN 45545-2:2020 FMVSS 302 EN 13501-1 UL 94	HL2* SE ** E ** V0 **
Maximum operating temperature	%96	150°C
Compressive hardness	EN ISO 3386-1	≥ 2,5 kPa (40 %)
Tensile strength	ISO 1798	≥ 80 kPa
Elongation at break	ISO 1798	≥ 15 %
Compression Set	EN ISO 1856	≤ 20 %
Thermal conductivity	EN 12667	≤ 0,040 W/(m K) (10°C, d = 50mm)
Sound Absorption Coefficient	ISO 10534	≥ 90% (d = 50 mm, f = 2000 Hz)
Storage period	%96	9 months ***
* BHRM: Brandhaus Rhein-Main GmbH & Co. KG, Frankfurt a.M.. ** interne Prüfergebnisse, *** originalverpackt (oder äquivalent), 5-30°C, trocken, vor UV und Witterung geschützt		

Special Instructions

Do not use Hanno-Tect UF free for exterior applications or exposure to the elements, despite its water-repellent properties. Color variations may occur due to the manufacturing process; the product has a mixed pore structure due to the manufacturing process. Up to 10 pores per m² with a diameter of 10 to 20 mm may occur and do not constitute grounds for a complaint. Pores with a diameter of less than 10 mm do not constitute grounds for a complaint.

Due to the manufacturing process, thickness tolerances of up to 10% may occur.

Cleaning

No significant contamination from the material is expected. For parts with self-adhesive backing, any adhesive residue can be removed, if necessary, using a gasoline-based cleaning agent. Be sure to follow the safety instructions for the cleaning agent used.

Environment, Disposal and Safety

Based on available data and experience, this product is not classified as a hazardous substance under the Hazardous Substances Ordinance or the corresponding EC directives. However, we recommend observing the usual precautions and hygiene practices when handling chemical substances. Leftovers can be disposed of with household waste. Local regulations must be observed.

The product complies with the following directives or meets the required restrictions on use: 1907/2006 (REACH), 2011/65 (RoHS2), 2015/863 (RoHS3), 2019/1021 (POP), 517/2014 (Greenhouse Gases), 2024/590 (Ozone Depletion).

This product is hydrophobic and water-repellent without the use of PFAS.

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Limitation of liability

Our general terms and conditions of sale with warranty conditions, which you can refer to at www.hanno.com, apply. This datasheet provides non-binding information without guarantee. The stipulated instructions for use are to be adapted to the respective conditions. The user is obligated to check the suitability and applicability through their own testing in order to avoid failures for which we assume no liability. Subject to technical changes. In case of discrepancies, the German version shall prevail.

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

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