Technical Data Sheet

Hanno®-Tect-G⁺-phob AL

Product Description

Open-cell melamine resin foam, hydrophobic and laminated with an aluminum foil. In the EcoBalanced version, the foam has up to 50% lower CO2 emissions.

Product Properties

- Water and oil repellent
- High temperature resistance
- Low thermal conductivity
- Favorable fire behavior
- Good chemical resistance
- Low bulk density
- Up to 50% reduced CO2 carbon footprint of the foam
- Excellent sound absorption capacity

Applications

- Vehicle construction
- Heat and sound insulation
- Rail vehicles

Form of Delivery

- Sheets
- Blanks
- Punched parts
- Can be equipped with self-adhesive
- Available in thicknesses from 5 to 50 mm

Processing

Bonding only on dry, grease-free, clean substrates. Press surfaces down well. The contact pressure required for full-surface contact must be ensured. Processing temperature: 18 - 25°C. You can easily adjust the material and cut it to size with a sharp knife.

Technical Data

Property	Standard	Value
Color	–	gray, aluminum surface
Fire behavior	EN 45545-2 EN 13501-1 FMVSS 302 / DIN 75200 / ISO 3795	HL3, R1 *BHRM
Maximum application temperature foam	DIN EN ISO 2578 (according to DIN ISO 3386-1)	150°C
Maximum application temperature Adhesive	-	100°C
Foam density	DIN EN ISO 845	10 ± 2 kg/m³
Thermal conductivity foam	DIN EN 12667	≤ 0,035 W/(m K) (10°C, d = 50mm)
Cold resistance	–	-40°C (glued)
Storage duration	–	9 Months **
* BHRM: Brandhaus Rhein Main**Storage conditions: 5-30°C, dry, protected from UV and weather, in original packaging (or equivalent). Storage period for pressure-sensitive adhesive-coated products		

Special Instructions

Despite ist water-repellent properties, Hanno®-Tect-G⁺-phob should not be used for outdoor applications/exposure to the elements. Due to the manufacturing process, color variations may occur and the product has a mixed pore structure. Up to 10 pores per m² with a diameter of 5 to 15 mm may occur and are no reason for complaint.

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

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Cleaning

No significant soiling from the material is to be expected. In the case of self-adhesive parts, adhesive residues can be removed with a petrol-based cleaning agent if necessary. The safety instructions for the cleaning agent used must be observed.

Environment, Disposal and Safety

Based on available data and experience, the product is not a hazardous substance within the meaning of the Hazardous Substances Ordinance and corresponding EC directives. However, we recommend observing the usual care and hygiene when handling chemical substances. Residues can be disposed of with household waste. Local regulations must be observed.

The product complies with the following directives and fulfills the required restrictions on use: 1907/2006 (REACH), 2011/65 (RoHS2), 2015/863 (RoHS3), 2019/1021 (POP), 517/2014 (greenhouse gases), 2024/590 (depletion of the ozone layer).

The foam in the EcoBalanced version has a CO2 CFP reduced by up to 50%.

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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