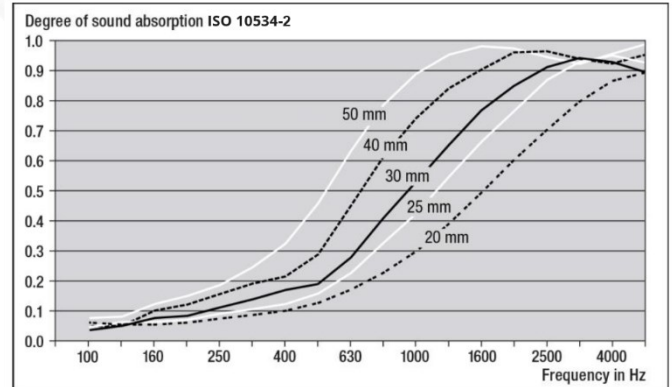
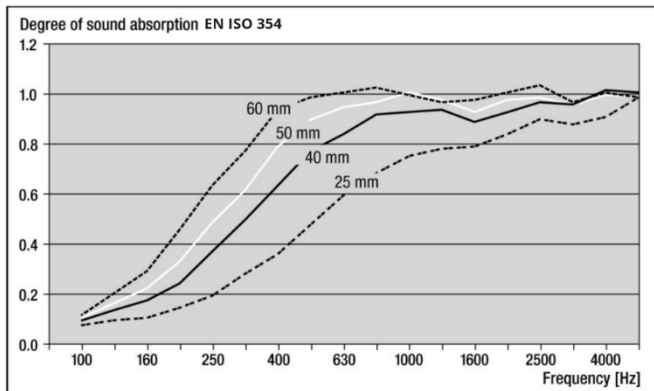


## Product Description

Open cell foam made from melamine resin.

## Product Properties

- High temperature resistance
- Low thermal conductivity
- Favorable fire behavior
- Hardly flammable (EN 45545 HL2, DIN 4102-1 B1, UL94 V / HF1)
- Extremely low weight
- Excellent sound absorption capability



- Very good chemical resistance \*\*

Medium	Rating	Medium	Rating	Medium	Rating
Alcohols		Acids		Lye	
Butyl alcohol	+	Formic acid 90%	-	Ammonia water 25 %	+
Ethyl alcohol	+	Acetic acid 90%	+	Sodium carbonate 25%	+
Glycol	+	Lactic acid 10%	+	Sodium hydroxide 40%	+
Glycerin	+	Phosphoric acid 50%	+	Other chemicals	
Isopropyl alcohol	+	Nitric acid 10%	-	Sodium hypochlorite solution	+
Methyl alcohol	+	Hydrochloric acid 10%	-	Sodium chloride solution	+
Hydrocarbons		Sulfuric acid 10%	-	Water	+
Gasoline	+	Citric acid 10%	+	Hydrogen peroxide 30%	+
Diesel	+	Ester - Ester		Other solvents	
Kerosene	+	Butyl acetate	+	Glycol ether	+
		Ethyl acetate	+		
		Ketones			
		Acetone	+		

\*\*Chemical resistance: The evaluation criteria is compressive hardness according to ISO 3386-1 (40% compression, 4th load cycle). The information is valid for a test temperature of 23°C.

## Form of Delivery

- Cut-outs
- Stamped parts
- Can be equipped with self-adhesive
- Available in thicknesses from 5 to 480mm
- With modified surfaces

## Processing

Adhesion only on dry, grease-free, clean surfaces. Press down the surface well. Hanno®-Tect is easy to punch and cut. You can easily adjust the material and cut it with a sharp knife.

**Technical Data**

Property	Standard	Value
Color	-	grey
Density	DIN EN ISO 845	9 ± 1,5 kg/m <sup>3</sup>
Fire behavior	EN 45545 DIN 4102-1 FMVSS 302 UL94	HL2, BHRM* B1 SE V / HF1
Thermal conductivity	DIN EN 12667	≤ 0,035 W/(m K) (10°C, 50mm)
Maximum application temperature	DIN EN ISO 2578 (nach DIN ISO 3386-1)	1000 h >200°C 20000 h >150°C
Sound absorption coefficient	DIN ISO 10534	≥ 90% (d = 50mm, f = 2000Hz)
Compression Set	DIN EN ISO 1856	5 - 30% (22 h, 70 °C, 50%)
Tensile strength	DIN EN ISO 1798	> 120 kPa
Elongation at break	DIN EN ISO 1798	> 18 %
Compressive hardness	DIN EN ISO 3386-1	> 9 kPa
Shelf Life	-	9 Month **

\*BHRM Brandhaus Rhein Main  
 \*\*Storage conditions: 5-30°C, dry, protected from UV and weather, in original packaging (or equivalent). Storage period for adhesive-coated products

**Special Instructions**

Due to the sorption behavior of the melamine resin in combination with the open-cell structure of the foam, the moisture content of the material changes depending on the environmental conditions. This results in dimensional changes on the order of ± 2% (based on the average moisture content). This behavior must be taken into account during processing (pre-storage of parts in application-specific climate).

Do not use Tect for outdoor applications/exposed weathering. The gray color is not UV-stable, color variations may occur. Due to manufacturing, the product has a mixed pore structure. Up to 10 pores per m<sup>2</sup> with a diameter of 5 to 15 mm may occur and are not grounds for complaint.

The material can be made hydrophobic and oleophobic through impregnation as needed: --> Hanno®-Tect-o-phob

**Cleaning**

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

**Environment, Disposal and Safety**

Based on existing data and experience, the product is not classified as a hazardous substance under the Hazardous Substances Regulation and corresponding EC directives. However, we recommend observing the usual care and hygiene practices for handling chemical substances. Residues can be disposed of with household waste. Local regulations must be observed.

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

Waste from Hanno®-Tect can be thermally and materially recycled. Pure grades of flock composite foams with densities ranging from 25 to 100 kg/m<sup>3</sup> exhibit excellent sound absorption in the lower and middle frequency range.

Loose flock bulkings have been successfully applied in cavities of false ceilings with the aim of improving their acoustic properties.

Technical Data Sheet

# Hanno®-Tect



Flock from Basotect® is also used as a binder for liquids.

## Limitation of liability

Our general terms and conditions of sale with warranty conditions, which you can refer to at [www.hanno.com](http://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](mailto:info@hanno.com).

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