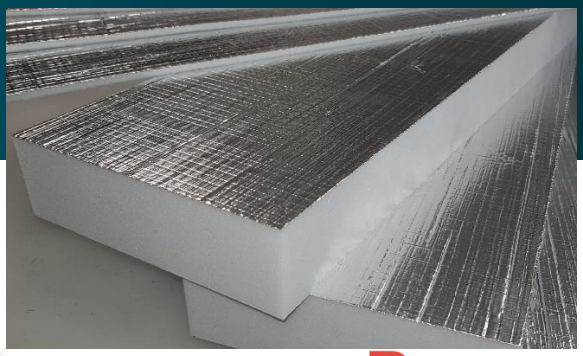
Technical Data Sheet

Hanno®-Tect AL 18



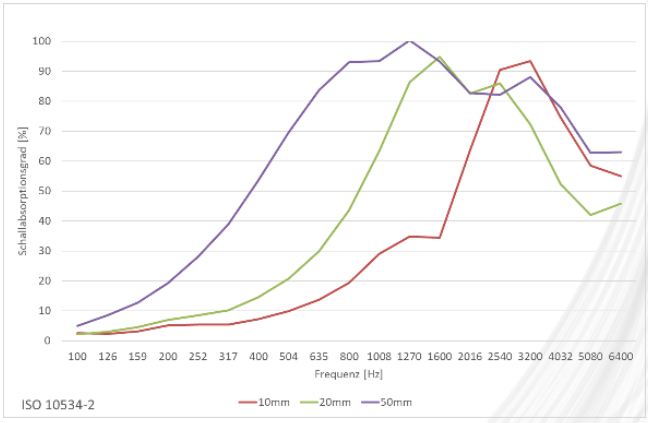
Product description

Hanno®-Tect AL 18 is an open-celled melamine resin foam laminated with an aluminium foil.

Foam	5 – 50 mm
Aluminium Foil	18 µm

Product Properties

- High temperature resistance
- low thermal conductivity
- favorable fire behavior
- good chemical resistance
- low bulk density
- excellent sound absorption



Application

Vehicle construction, heat and sound insulation.

Form of Delivery

blanks, stampings, self-adhesive, available in thicknesses of between 5 and 50mm.

Processing

Only adhere to dry, fat-free and clean substrates. Press on well. The contact pressure which is required for full-surface contact has to be ensured.
Processing temperature: 18 – 25°C

You can easily adapt the material and cut it to size with a sharp knife.

Technical Data

Colour	–	gray, surface aluminium
Fire Behaviour	EN 45545-2: EN 13501 FMVSS 302	HL3, R1/R7/R17, BHRM* E SE
Maximum application temperature	DIN EN ISO 2578 (nach DIN ISO 3386-1)	150°C
Bulk density	DIN EN ISO 845	9 ± 1,5 kg/m³
Thermal conductivity faoam	DIN EN 12667	< 0,035 W/mK (10°C, d = 50mm)
Low temperature stability	–	-40°C (applied)
Shelf life	–	9 month **

* BHRM: Brandhaus Rhein Main
**Storage environment: 5-30°C, dry, protected from ultraviolet radiation and weather, in original pack (or equivalent). Storage life for adhesive coated products

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Hanno®-Tect AL 18

Special Instructions

The sorption behaviour of the melamine resin in connection with the open-cell nature of the foam result in a change being made to the humidity content of the material depending in the ambient conditions. This comprises dimension changes of around ± 2% (on the basis of the mean humidity content). This behaviour is to be taken into account during processing (pre-storage of the components in an application-related climate).

Due not use Hanno®-Tect AL 18 outside/outdoor exposure. The Tect material has a mixed pore structure for manufac-turing reasons. A maximum of 10 pores per m² with a diam-eter of between 5 and 15 mm can occur and do not give cause for complaint.

If required, the material can be rendered hydrophobic and oleophobic by it being impregnated Hanno®-Tect-o-phobFleece-type materials tend to change their dimension when punched, cut, pressed, wrapped, installed, etc. Generally, the dimensional tolerance of DIN 7715-P3 can be maintained. If special requirements on the dimensional stability are important, please contact our customer service team).

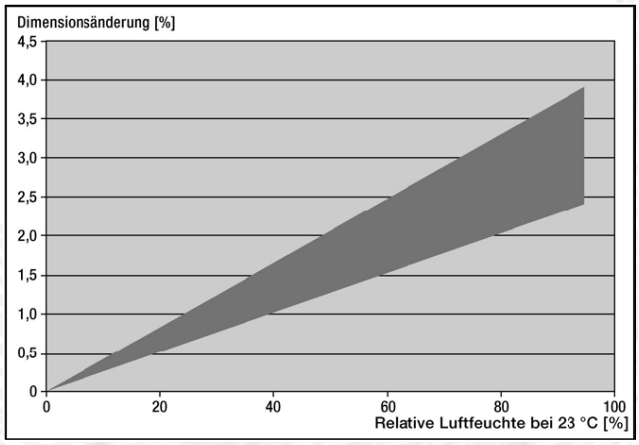

Diagram: Dimensional change depending on the air humidity with an ambient temperature of 23°C

Reinigung

No material pollution is to be expected. With self-adhesive parts, adhesive residues can be removed with petrol if necessary. The safety regulations for the cleaning agent used must be observed.

Entsorgung

Hanno®-Tect AL 18 is manufactured without using hydrocarbons which contain halogen. The product does not pose a risk to water. Hanno®-Tect AL does not contain any propellants when delivered and is not subject to labelling pursuant to the German Hazardous Substances Ordinance.

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 working materials. Suitable measures are to be taken in order to ensure that the result dust is not inhaled.

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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