

Perfectly sustainable and economic!

- » Very good thermal insulation
- » Screwable cover and core layers
- » Processable with conventional tools
- » Very low weight
- » Normally inflammable
- » Only for use in dry application fields, without exposure to weathering

Characteristics

Cover layers	MDF Exterior FF/B2 » Free of formaldehyde » High moisture resistance
Core layers	PET hard foam made of recycled PET bottles » Water resistant » Frost resistant » Alkali resistant » Ecological » Screwable
Surfaces	Raw, with primer film, real wood veneer
Edges	Raw, non treated all around
Formats	Raw, primer film: 2600, 4100, 5200 x 1020 mm Veneered: 2600, 3050, 4080 x 1020 mm
Gluing	Water resistant

Characteristics PET core layer

Raw density	ρ_a	80	kg/m ³	ISO 845
Compressive strength	σ_{dB}	1	MPa	ISO 844
E-Module	E	20	MPa	ISO 1922
Thermal conduction value	λ_D	0.027	W/(mK)	EN 13162
Diffusion resistance	μ	650	--	EN 12086
Fire resistance class		B2		EN ISO 11925:2
Screw withdrawal resistance	F_{ax}	1240	N	EN 1382

Technical values

Thickness	Cover layers	Thermal value	Acoustic value	Weight
mm	mm	W/m ² K	R _w	kg/m ²
28	4.0	1.190	29 dB	9.12
30	4.0	1.110	29 dB	9.28
36	4.0	0.920	30 dB	9.76
40	4.0	0.740	30 dB	10.08
54	4.0	0.540	31 dB	11.20
64	4.0	0.450	31 dB	12.00
68	4.0	0.420	31 dB	12.32
72	4.0	0.400	31 dB	12.64
74	4.0	0.390	32 dB	12.80



Storage

The TAVAPET elements should be stored dry, at temperatures in the range of 15 - 25 °C and on a flat surface. Protective films must be removed after installation. Surfaces as well as edges must be protected from damage. The goods must be checked upon receipt, defects have to be reported within 3 days.

Screwing

The elements can be mounted by screwing directly into the PET core layer. Still, the following points should be considered:

- » No pre-drilling
- » No self-drilling screws
- » Screw-in depth min. 90 mm if the screw is only anchored in the foam
- » Screw diameter min. 6.5 mm
- » Screw types: window mounting screws, or similar
e.g. SFS Art Nos. 317177 to 317188

Gluing

Before gluing, the adhesive surface should be cleaned from dirt and dust. It should also be dry and free of grease or oil contamination. We recommend the following types of adhesives:

- » SikaFast[®] 555 - SikaFast[®] adhesives offer an ideal combination of relatively long open time and fast strength build-up. Just a few minutes after joining, 80% of the final strength has been reached.
- » Sikasil[®] WT-480 - High strength 2-component silicone-based adhesive. Good mechanical properties and adhesion are built within a short time.
- » SikaBond[®] AT-44 R - 1-component, tough-elastic mounting adhesive based on SMP. The same processing guidelines apply as when used with PVC.

Cutting or milling

All TAVAPET products can be processed like conventional wood-based materials.

Coating

Real wood veneers and MDF are sensitive to moisture and may go out of shape during moisture absorption and release. It is important to ensure a short, uniform application with careful drying and storage of the elements afterwards.

Application fields

The TAVAPET wood elements are designed for dry use. When installed, the elements must not be exposed to direct weathering and must be protected against permanent moisture.

Security and environment

The use of TAVAPET products does not require any special technical protective measures. Any leftover board or packaging material that can not be reused must be disposed of with the plastic waste or returned to the TAVAPAN at its own expense.

Note:

This information is based on the current state of the art. Changes are reserved.

Adress:

TAVAPAN SA
Rue de la Dout 10
2710 Tavannes
Switzerland

Technical support:

Tel. 0041 32 482 64 30

Requests:

tavapan@tavapan.ch

Further information:

www.tavapan.ch