Technical Data Sheet

VeroBoard® Element
VeroBoard® 3D

Characteristics		
Application	Exterior and interior Versatile, lightweight and easy-to-install board Initial material for design elements in interiors and in ship refitting Milling of moulded parts in model construction Base board for furniture construction, wide range of surfaces possible	
Properties	**Properties**	**Advantages**
	Non-combustible	Improved fire protection
	Mechanical resistance	System assurance High level of edge stability
	Very low moisture-induced and thermal expansion	Can be used outside
	Easy to handle and install	Simple handling during installation No special tools necessary No reworking of cut edges
	Mineral material	Environmentally friendly
Material description	The VeroBoard® Element and VeroBoard® 3D consists of up to approx. 96 % Verolith – hollow mineral micro-beads. Verolith is a quality raw material made by Verotec.	
Format	Board thicknesses: 15, 20, 25, 30, 35, 40, 50, 60, 70, 80, 90, 100 mm Standard format: 2420 x 1210 mm (thickness: 15 - 40 mm) 2440 x 1080 mm (thickness: 50 - 100 mm)	
Appearance	Bright, homogeneous	
Example of surfaces	Stone, HPL, film, plaster, digital print, wall paint	

Technical data

Criterion	Standard/test specifications	Value/unit
Density Specific weight		Approx. 550 kg/m³
Reaction to fire	DIN EN 13501-1 DIN EN 45545-2* IMO Res. MSC.307 (88)  0098-18	A2-s1, d0 Requirement set R1 for Hazard Level HL3 Annex 1, Part 5 and Annex 2, Part 2
Flexural strength	VIAM048	Approx. 5 N/mm²
Compressive strength	TIAM 031	Approx. 9 N/mm²
Modulus of elasticity	TIAM 031	Approx. 1.9×10^3 N/mm^2
Thermally induced changes in length	VIAM 020	Approx. 9×10^{-6} 1/K
Thermal conductivity	EN 12667	0.18 W/(m×K)
Coefficient of water vapour diffusion resistance μ	VIAM 018	Approx. 7
Frost resistance	DIN 52104	Frost-resistant
Screw withdrawal value **	DIN EN 320	Approx. 600 N

The characteristic values stated are average values or approximate values. Due to the raw materials used in our products, the stated values can vary slightly in the same delivery batch without adversely affecting the suitability of the product.

*after initial testing

** Internal test based on DIN EN 320, tested as composite element with HPL 1.2 mm, fixing with: Spaxx 4.5 mm. The information provided is not binding and to be considered as guide value only.

Delivery

Transport	Protect from humidity and damage during transport, do not throw or knock
Conditions	Ex works Verotec GmbH, Lauingen
Packaging	Piece / pallet or pallets / lorry load
Customs Tariff Number	68159900

Storage / disposal

Storage conditions	Store in dry conditions and protect from sunlight
Disposal	When disposing of waste, take the local official regulations into consideration. When deposited in landfill sites, the material does not release any water-soluble substances that could cause contamination of the ground water. The material does not decompose into harmful products over time. Waste code AVV 17 09 04 Mixed building waste in accordance with the German Technical Guidelines on Waste and the catalogue of the Federal Consortium on Waste (LAGA) The disposal of clean packaging waste can be carried out by Zentek GmbH & Co. KG, contract number TVP-VdL-1311383.

Certificates/approvals

Test report – non-combustible

Special notes

The VeroBoard® Element and VeroBoard® 3D must never be exposed to permanent damp penetration or waterlogging.

The information or data in this technical data sheet serves to ensure the product's intended use, or its suitability for use, and is based on our findings and experience. Nevertheless, users are responsible for establishing the suitability of the product for its intended use.

Applications which are not specifically mentioned in this Technical Data Sheet are only permitted after prior consultation with Verotec.

Human health

Does not contain toxic substances. There is no hazard or impairment to health according to the present state of knowledge (ISO 14025 und EN 15804).

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When this Technical Data Sheet is published, all previously applicable Technical Data Sheets are no longer valid.

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Product name: VeroBoard® Element
VeroBoard® 3D