

Technical Data Sheet

VeroBoard® Element VeroBoard® 3D



Verotec

Sto Group



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

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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 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 - 60 mm)
2440 x 1080 mm (thickness: 70 - 100 mm)

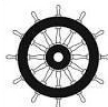
Appearance

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/m ³
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 FTP Code Part 5
Flexural strength	VIAM048	Approx. 5 N/mm ²
Compressive strength	TIAM 031	Approx. 9 N/mm ²
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

*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 01 07 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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VeroBoard® 3D