

## Technical data sheet

# VeroBoard® Classic IG



### Characteristics

**Application** Exterior and interior  
Versatile, lightweight, and easy-to-install board e.g. as a carrier board for many different kinds of surface applications

### Properties

#### Properties

Non-combustible, building material class  
A2s1d0

Low weight

Very low modulus of elasticity

Good shock and impact resistance

Mesh-reinforced on both sides

Very small thermal and hygric deformation

Frost-resistant

Easy to process and install

#### Advantages

Can be used for applications with  
increased fire protection requirements

Easy to handle during application

Low state of stress in the system  
individual design freedom concerning  
surface decoration  
Suitable for curved surfaces  
High resistance to cracking

System assurance

High mechanical resistance  
Bracing effect

Seamless installation possible, straight-  
edged joining

Can be used outside

Simple and reliable installation  
Board can be cut with a knife  
Can be scored and then snapped  
Installation is possible without pre-drilling  
No special tools necessary

### Material description

VeroBoard® Classic IG is manufactured from a material consisting of approx. 96 % expanded glass granulate and bonded with an organic binding agent. A light-coloured, alkali-resistant glass fibre mesh is applied to both sides.

### Format

| Thickness | Standard format<br>1200x800 mm | Large format<br>2400x1200 mm | Special format<br>2600x1250 mm | Special format<br>3200x1200 mm |
|-----------|--------------------------------|------------------------------|--------------------------------|--------------------------------|
| 8 mm      | ✓                              | ✓                            | unavailable                    | on request                     |
| 10 mm     | ✓                              | ✓                            | unavailable                    | ✓                              |
| 12 mm     | ✓                              | ✓                            | unavailable                    | ✓                              |
| 15 mm     | on request                     | on request                   | unavailable                    | unavailable                    |
| 20 mm     | ✓                              | ✓                            | unavailable                    | ✓                              |

### Appearance

Light-coloured surface with visible mesh reinforcement arranged on both sides

**Technical data**

| Criterion  | Standard/test specifications        | Value/unit  |
|--|-------------------------------------|---|
| Apparent density   |                                     | 540 kg/m <sup>3</sup>   |
| Reaction to fire   | DIN EN ISO 13501<br>DIN EN 45545-2* | A2s1d0 non-combustible<br>Requirement set R1 for hazard level HL3 |
| Flexural strength  | DIN EN 196-1                        | 9 N/mm <sup>2</sup> *   |
| Compressive strength   | DIN EN 196-1                        | 4 N/mm <sup>2</sup> *   |
| Flexural modulus   | EN ISO 178                          | 1800-2000 N/mm <sup>2</sup> *                                     |
| Thermal expansion  | TIAP-650                            | 0.0000095 1/K   |
| Thermal conductivity   | DIN 52612                           | 0.12 W/(m*K) *  |
| Water vapour diffusion-equivalent air layer thickness $\mu$        | EN ISO 7783-2                       | 15 *  |
| Swelling characteristics in storage at an air temperature of 23 °C | VIAM 015 (internal)                 | 0.6 mm/m *  |

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.

\* Test object with a board thickness of 12 mm, detail information at [www.verotec.de](http://www.verotec.de)

**Delivery**

|                              |   |
|------------------------------|---|
| <b>Transport</b>             | Protect against moisture and damage during transport. Do not throw or push. |
| <b>Conditions</b>            | Ex works Verotec GmbH, Lauingen   |
| <b>Packaging</b>             | Unit / pallet or pallets / trailer  |
| <b>Customs Tariff Number</b> | 70169070  |

**Storage / disposal**

|                           |   |
|---------------------------|---|
| <b>Storage conditions</b> | Store in dry conditions and protect from the sun.   |
| <b>Disposal</b>           | Dispose of waste in accordance with the regulations of the local authorities.<br>When deposited in landfill sites, the material does not release any water-soluble substances that could cause contamination of the ground water. The material also does not decompose into harmful products over time.<br>Waste code AVV 170107 mixed building waste<br>The disposal of clean packaging waste can be carried out by Zentek GmbH & Co. KG, contract number TVP-VdL-1311383. |

## Special information

VeroBoard® Classic IG must never be exposed to permanent moisture penetration or waterlogging.

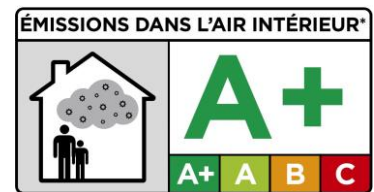
The information or data in this Technical Data Sheet serves to ensure the product's intended use, or its suitability for use, and is based on our findings and experience. Nevertheless, users are responsible for establishing the suitability of the product for its intended use.

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

## Health

VeroBoards do not contain any toxicants. There is no hazard or impairment to health based on the current state of knowledge.

## Expert report / certificates / approvals



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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® Classic IG**