

# Technical Data Sheet

## StoVentec Carrier Board

Render carrier board made of expanded glass granulate



### Characteristics

**Area of application** • as a carrier board in the StoVentec RSC system for facade and ceiling cladding

**Properties**

- mesh-reinforced on both sides
- limited combustibility
- resistant to mechanical stress
- frost-resistant
- low weight
- building material class B1 in accordance with DIN 4102

**Format**

- 1200 x 800 x 12 mm
- 2400 x 1200 x 12 mm

### Technical data

Criterion	Standard / test specification	Value/ Unit	Notes
Water vapour diffusion-equivalent air layer thickness $\mu$	EN ISO 7783	15	
Thermal conductivity	DIN 52612	0.09 W/(m*K)	
Mass per unit area		6 kg/m <sup>2</sup>	approx.
Bulk density		500 kg/m <sup>3</sup>	approx.
Modulus of elasticity	EN ISO 178	1,800 - 2,000 N/mm <sup>2</sup>	
Thermal expansion	VIAM 020	0.0000095 1/K	
Swelling characteristics in an alternating climate	VIAM 015 (Sto internal)	0.6 mm/m	

The characteristic values stated are average values or approximate values. Due to the natural raw materials in our products, the stated values can vary slightly in the same delivery batch; this does not affect the suitability of the product for its intended use.

### Substrate

**Requirements** Structurally proven sub-construction: Stainless Steel/Aluminium Sub-Construction or Timber Sub-Construction from Sto.

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**Preparations** - do not use on polystyrene

### Application

Consumption	Type	Approx. consumption	
	1200 x 800	1.04	pcs./m <sup>2</sup>
	2400 x 1200	0.35	pcs./m <sup>2</sup>

The stated consumption values are only to be used as a guide. If required, determine precise consumption values on the basis of the specific project.

### Application

The board is workable with all commercially available tools (knife, saw, etc.) and is screwed onto the sub-construction.

Lay the carrier boards tight-butted in a bond on the structurally proven sub-construction made of timber or stainless steel/aluminium. Each carrier board/cut-to-size board must be fixed onto at least 2 secondary supporting frames or carrier profiles.

Fix the carrier boards onto the load-bearing construction using stainless steel screws. The screw heads must be flush with the board surface.

Onto the timber sub-construction with Sto-Facade Screws 5.0 x 42 mm at:

- wind load of up to 0.7 KN/m<sup>2</sup> at least 13 screws per m<sup>2</sup>
- wind load of up to 2.2 KN/m<sup>2</sup> at least 21 screws per m<sup>2</sup> must be used.

Onto the stainless steel/aluminium sub-construction with Sto-Facade Screws 5.5 x 24 mm at:

- wind load of up to 1.1 KN/m<sup>2</sup> at least 13 screws per m<sup>2</sup>
- wind load of up to 1.6 KN/m<sup>2</sup> at least 21 screws per m<sup>2</sup>
- wind load of up to 2.6 KN/m<sup>2</sup> at least 29 screws per m<sup>2</sup> must be used.

When fixing the boards, maintain the spacings between the Sto-Facade Screws and the staples in accordance with the approval.

### Notes, recommendations, special information, miscellaneous

The boards must never be exposed to permanent moisture penetration or waterlogging.

As exterior ventilated cladding, six months drying time in an uncoated condition under normal weather conditions for the carrier boards can be regarded as unproblematic.

Please ensure that system ventilation is also observed during this time. Likewise, the system connections must already be made resistant to driving rain.

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While guaranteeing back ventilation, cover any system ends or joints still open to protect small animals and ensure that no water or damp can get behind the facade.

At the time of coating, the carrier board must be dry, dust-free, and have no damage.

Replace any damaged boards before coating.

### Storage

**Storage conditions** Store in dry conditions.

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### Identification

**Product group** Render carrier board

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**Safety** Observe the Safety Data Sheet!

### Special notes

The information 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. Users are nevertheless responsible for establishing the product's suitability and use. Applications not specifically mentioned in this Technical Data Sheet are permissible only after prior consultation. Where no approval is given, such applications are at the user's own risk. This applies in particular when the product is used in combination with other products.

When a new Technical Data Sheet is published, all previous Technical Data Sheets are no longer valid. The latest version is available on the Internet.

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