

Technical Data Sheet

StoVentec Carrier Board

Render carrier board made of expanded glass granulate



Characteristics

Application • as 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

Format

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

Technical data

Criterion	Standard / test regulation	Value/ Unit	Notes
Water vapour diffusion resistance factor μ	EN ISO 7783-2	11	
Thermal conductivity	DIN 52612	0,09 W/(m*k)	
Apparent density		500 kg/m ³	
Modulus of elasticity	EN ISO 178	1,200 - 1,400 N/mm ²	
Swelling characteristics in storage at an air temperature of 23°C	VIAM 015 (Sto internal)	0.4 mm/m	
Swelling characteristics in storage at a water temperature of 23°C	VIAM 015 (Sto internal)	0.4 mm/m	
Thermal elongation change	VIAM 020	0,000008 1/K	

The characteristic values stated are average values or approx. values. We use natural raw materials in our products, which means that the stated values can vary slightly in the same delivery batch; this does not affect the suitability of the product for its intended purpose.

Substrate

Requirements Structurally proven sub-construction: Sto-Stainless Steel/Aluminium SC or Wood SC.

Application

Consumption	Application	Approx. consumption
	1200 x 800 x 12 mm	1.04 pcs./m ²
	2400 x 1200 x 12 mm	0.35 pcs./m ²

The material consumption depends on the application method, the axis spacing of

Technical Data Sheet

StoVentec Carrier Board

the sub-construction and the division of the surface area, amongst other factors. The stated consumption values are only to be used as a guide. Where required, exact consumption values should be established on the respective project.

Application	<p>The board is workable with all standard tools (knife, saw, etc.) and is screwed onto the sub-construction.</p> <p>The carrier boards are laid in a bond onto the structurally proven wood or stainless steel/aluminium sub-construction and are then tight-butted. Each carrier board/cut-to-size board must be screwed onto at least 2 supporting laths or carrier profiles.</p> <p>The carrier boards must be fixed onto the load-bearing construction with stainless steel screws. The screw heads must be flush with the board surface.</p> <p>Onto the timber sub-construction with Sto-Facade Screws 5.0 x 42 mm at:</p> <ul style="list-style-type: none"> - wind load of up to 0.7 KN/m² at least 13 screws per m² - wind load of up to 2.2 KN/m² at least 21 screws per m² must be used. <p>Onto the stainless steel/aluminium sub-construction with Sto-Facade Screws 5.5 x 24 mm at:</p> <ul style="list-style-type: none"> - wind load of up to 1.1 KN/m² at least 13 screws per m² - wind load of up to 1.6 KN/m² at least 21 screws per m² - wind load of up to 2.6 KN/m² at least 29 screws per m² must be used. <p>The edge spacings of the Sto-Facade Screws must be maintained in accordance with the approval.</p>
--------------------	---

Indications, recommendations, special information, miscellaneous	The boards must never be exposed to permanent damp penetration or waterlogging.
---	---

Delivery

Packaging	-
------------------	---

Storage

Storage conditions	Store in dry conditions.
---------------------------	--------------------------

Certificates / approvals

Z-33.2-394	StoVentec systems for external facade render National technical approval
Z-33.2-776	StoVentec with ceramics, natural stone and glass mosaic National technical approval
Z-33.2-1152	StoVentec facade systems with glass surface National technical approval

Identification

Product group	Render carrier board
----------------------	----------------------

Security	Please observe safety data sheet
-----------------	----------------------------------

Technical Data Sheet

StoVentec Carrier Board

Special information

The information or data serves to ensure the product's intended purpose 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 other than those explicitly mentioned in this technical data sheet are only permissible after prior consultation with Sto AG. Where no approval is given, such applications are at the risk of the user. 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 at www.sto.com.

Sto AG
Ehrenbachstr. 1
D - 79780 Stühlingen
Phone: +49 7744 57-0
Fax: +49 7744 57-2178
[Infoservice.export@sto.eu.com](mailto:Infoservice.export@sto.eu)
www.sto.com