

# Technical Data Sheet

## StoVentec Glass

Panel for ventilated rainscreen cladding system,  
prefabricated ex works



### Characteristics

<b>Area of application</b>	<ul style="list-style-type: none"> <li>• exterior</li> <li>• interior</li> <li>• factory-produced panels are inserted into the sub-construction on the construction site</li> <li>• on walls</li> <li>• on ceilings</li> </ul>
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### Properties

- tempered safety glass: 6 mm, 8 mm
- rear side: colour enamelled
- bonding: full-surface to a 20 mm carrier board made of expanded glass granulate
- crosslinking of the adhesive: neutral
- screw connection: on the rear side with board carrier profiles
- weight: approx. 30 kg/m<sup>2</sup>
- panel thickness without board carrier profile: 30 mm, panel thickness tolerance at a glass thickness of 6 mm: +0 mm to -2 mm
- tempered safety glass: optionally with or without heat soak test
- reaction to fire: class B-s1, d0 in accordance with EN 13501-1

### Format

- maximum width x height, dimensions in m:
- standing: 1.25 x 2.6 / 1.5 x 3.75 / 1.25 x 4.5 / 2.5 x 2.6
- lying: 2.6 x 1.25 / 3.75 x 1.5
- minimum edge length: 10 cm, and minimum length of the larger edge: 30 cm

### Appearance

- high-quality glass surface
- no visible fixing
- high colour shade variety
- no limitation to the light reflectance value
- float glass or low-iron float glass

### Information/notes

- type of application: rear ventilated, external wall cladding in accordance with DIN 18516-1
- installation: in accordance with the structural analysis with approved fixings
- Unevenness, tempered safety glass: the thermal tempering process may cause

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general and local warping in accordance with EN 12150-1.

- approved dimensions, tolerance: in accordance with EN 12150-1 and EN 14179

### Substrate

#### Requirements

Substrate:

- Load-bearing

Sub-construction:

- Evenly aligned
- Meets the requirements of the structural analysis.

#### Preparations

- Exact site dimension
- Approval of the drawing for production
- Indicative samples
- Approval of the colour for production

### Application

#### Application

#### Notes, recommendations, special information, miscellaneous

- Do not expose the carrier boards to any permanent moisture penetration or waterlogging.
- colour tolerances for the approved sample:  $\Delta E < 2.9$  between the panels and subsequent delivery, in accordance with the CIELAB colour space
- visual test, spacing for the assessment: 3 m
- joint width: 5-12 mm
- recommended joint width: 8-10 mm
- Install the panels and the sub-construction without torsional stress.
- Prevent the panels from moving sideways on the sub-construction.
- For absorption of the dead load and to align: use hexagon socket head cap screws and M6 thread.

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Notes:

- The glass surface has both high resistance and a long working life.
- Regular cleaning intervals ensures that the appearance of the glass surface is preserved.
- Observe the glass manufacturer's information and instructions.
- Observe Sto's information and instructions.
- Observe the guidelines and documents of the associations, e.g. Bundesverband Flachglas, BF Merkblatt 012 / 2012 "Reinigung von Glas" (Cleaning of glass).

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### StoVentec Glass

- The tools, cleaning agents, and cleaning instructions indicated are recommendations.

**NOTE!**

- pointed, sharp, angular tools
- soiled water

results: damage to the glass surface

- 1) Use the recommended tools and cleaning agent.
- 2) Do not use any pointed, sharp, or angular tools.
- 3) Do not use chemical cleaning agents, e.g. alkaline lye, acid, cleaning agents containing fluoride.
- 4) Use clean water to avoid any rubbing residues caused by dirt particles.

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**Tools:**

- light soiling: sponge, leather, squeegee
- heavy soiling: sponge, leather, squeegee
- very heavy soiling: sponge, leather, squeegee, polishing machine

**Cleaning agents:**

- light soiling: clean water, neutral cleaning agent, commercially available glass cleaner
- heavy soiling: clean water, solvent, e.g. spirit, isopropanol
- very heavy soiling: clean water, abrasive cleaning agent

**Cleaning interval:**

- at least once a year

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**Cleaning light soiling:**

- 1) Apply the cleaning agent and allow it to act.
- 2) Clean the glass surface with clean water.

**Cleaning heavy soiling:**

- 1) Apply the cleaning agent and allow it to act.
- 2) Clean the glass surface with clean water.
- 3) Apply the solvent and allow it to act.
- 4) Clean the glass surface with clean water.

**Cleaning very heavy soiling.**

If deposits and soiling cannot be removed, professional cleaning is required.

**NOTE!**

- cleaning with abrasive cleaning agents
- using a polishing machine

results: damage to the glass surface, glass erosion, loss of strength in tempered

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safety glass

- 1) Always clean the glass surface first with neutral cleaning agents and solvents.
- 2) Do not clean specially finished and specially coated glass surfaces with a polishing machine and abrasive cleaning agents.
- 3) Do not clean the glass surface regularly and only use a polishing machine and abrasive cleaning agents to remove very heavy deposits.

### Delivery

**Packaging** pallet

### Storage

**Storage conditions** Store in dry conditions.

### Identification

**Product group** Ventec facade

### Safety

The product is a manufactured item. The creation of a safety data sheet in accordance with the REACH Regulation (EU) No. 1907/2006, Annex II, is not required.

Detailed information can be found at [www.sto.de](http://www.sto.de) under the category Fachhandwerker (tradesmen) / REACH.

### 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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