

## PRODUCT BULLETIN

# StoVentec® Glass Panel Assembly

Product Number: 87079-007



## PRODUCT DESCRIPTION

StoVentec Glass Panel Assembly is an opaque, glass-faced, pre-fabricated composite panel. As the cladding component of StoVentec Glass open joint, drained, back-ventilated rainscreen wall system, it combines high aesthetic appeal with high end performance.

FEATURES	BENEFITS
Many panel sizes and color options, digital and silk screen printing, no visible attachments	Elegant aesthetics for new-build, façade restoration, or interiors
Glass fully bonded to carrier board	Glass won't fall if impacted
Tempered and heat soaked security glass with color fused onto back of glass	Durable, temperature and color stable
Pre-fabricated factory-produced composite panel construction with attached mounting rails	Improved quality control, can be installed in cold weather
Easy to clean	Reduced building maintenance



Sto Ventec Glass Panel Assembly: Sto opaque glass (1) fully bonded to 15mm Sto Carrier Board (2) with StoVentro™ Panel Profile (3)

## SIZES AND PACKAGING

StoVentec Glass Panel Sizes			Minimum Sizes	Near Square Sizes	Maximum Sizes
			Edge length, width by height	Edge length, width by height	Edge length, width by height
1/4" (6mm) Glass Panel	Portrait Orientation	Metric	100 mm x 250 mm	100 mm x 100 mm to 2150 mm x 2600 mm	100 mm to 1500 mm x 2800 mm
		Imperial	3-15/16" x 9 -13/16"	3-15/16" x 3-15/16" to 7' 5/8" x 8' 6-3/8"	3-15/16" to 4' 11-1/16" x 9' 2-1/4"
	Landscape Orientation	Metric	250 mm x 175 mm	100 mm x 100 mm to 2150 mm x 2600 mm	100 mm to 2800 mm x 1500 mm
		Imperial	9 -13/16" x 6- 7/8"	3-15/16" x 3-15/16" to 7' 5/8" x 8' 6-3/8"	3-15/16" to 9' 2-1/4" x 4' 11-1/16"
5/16" (8mm) Glass Panel	Portrait Orientation	Metric	100 mm x 250 mm	N/A	100 mm to 1250 mm x 4500 mm
		Imperial	3-15/16" x 9 -13/16"		3-15/16" to 4' 1-3/16" x 14' 9-3/16"
	Landscape Orientation	Metric	250 mm x 175 mm		1251 mm to 1500 mm x 3750 mm
					4' 1-1/4" to 4' 11-1/16" x 12' 3-5/8"
		Imperial	9-13/16" x 6- 7/8"		100 mm to 3750 mm x 1500 mm
					3-15/16" to 12' 3-5/8" x 4' 11-1/16"

StoVentec Glass Panels are packaged in crates on pallets with foam cushioning between and surrounding panels.

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## STORAGE AND HANDLING

Store on pallets in original shipping crate in a dry location until ready for installation. Remove from crate and use soft bristle brush to remove any dust or metal shavings from back of panel. Lift and handle with glazing suction cups. Handle with care to avoid breakage. Glass can shatter if impacted along edges or on face.

## APPLICATION

Requires exact site dimensions and shop drawings, and sample color approval for production. Factory-prepared panels have horizontal StoVentro™ Panel Profiles attached to the back of StoVentec Glass Panel Assembly. At the job site, panels are hung on mating StoVentro Agraffe Profiles that are installed horizontally in accordance with shop drawings over StoVentro T and L-Profiles attached to StoVentro Brackets. Open joints of 10-12mm (~3/8" - 1/2") are required between panels. Panels are attached with sliding connections to accommodate thermal movement.

## LIMITATIONS

- Use on ceiling or soffits requires special design consideration.
- Not intended for use on horizontal or low slope surfaces, below grade, roofs or roof-like surfaces, or in areas of water immersion, pooling or ponding water. Refer to StoVentec Glass Details for guidance.
- Refer to size limitations on page 1.
- Some colors may not be achievable. Refer to color selection guide and always request and approve a color sample.

Refer to StoVentec Glass System Bulletin, Guide Specification, and Design Guide and Details for more complete information.

## TECHNICAL DATA

INFORMATION	DATA
Colors	63 Standard RAL Colors (uses green or white [colorless glass at added cost]). Glossy, matt, or reflective mirrored glossy finish, custom colors, and custom graphics (screen printing) available
Weight	27 kg/m <sup>2</sup> if 6mm glass (~5.53 lb/ft <sup>2</sup> if 1/4"), 32 kg/m <sup>2</sup> if 8mm glass (~6.55 lb/ft <sup>2</sup> if 5/16")
Glass Color Tolerances (from approved sample, and between individual panels and subsequent deliveries)	ΔE <2.9 in accordance with CIELAB color system when viewed at a distance of 9'-10" (3m)
Service Temperature Limits	-40°F (-40°C) to 212°F (100°C)
Glass Panel Assembly Thickness <i>Dimension from face of T-Profile to face of Glass Panel and includes Agraffe Profile to Panel Profile connection dimension</i>	6mm glass panel: 54mm (~2-1/8") 8mm glass panel: 56mm (~2-3/16")
1. Glass Thickness	6mm or 8mm (~1/4" or 5/16")
2. Adhesive Thickness	~1mm (~1/32")
3. Carrier Board Thickness	15mm (5/8")
4. Panel Profile Thickness	28.8mm (1-1/8")
Glass Panel Assembly Thickness (without Panel Profile)	6mm glass panel: 22mm (7/8") 8mm glass panel: 24mm (~1")

<b>Sto Corp.</b> 3800 Camp Creek Parkway Building 1400, Suite 120 Atlanta, GA 30331 Tel: 404-346-3666 Toll Free: 1-800-221-2397 Fax: 404-346-3119 <a href="http://www.stocorp.com">www.stocorp.com</a>	Revision Number: A1.3 Date: 05/2025	<b>ATTENTION</b> This product is intended for use by qualified professional contractors, not consumers, as a component of a larger construction assembly as specified by a qualified design professional, general contractor or builder. It should be installed in accordance with those specifications and Sto's instructions. Sto Corp. disclaims all, and assumes no, liability for on-site inspections, for its products applied improperly, or by unqualified persons or entities, or as part of an improperly designed or constructed building, for the nonperformance of adjacent building components or assemblies, or for other construction activities beyond Sto's control. Improper use of this product or use as part of an improperly designed or constructed larger assembly or building may result in serious damage to this product, and to the structure of the building or its components. <b><u>STO CORP. DISCLAIMS ALL WARRANTIES EXPRESSED OR IMPLIED EXCEPT FOR EXPLICIT LIMITED WRITTEN WARRANTIES ISSUED TO AND ACCEPTED BY BUILDING OWNERS IN ACCORDANCE WITH STO'S WARRANTY PROGRAMS WHICH ARE SUBJECT TO CHANGE FROM TIME TO TIME.</u></b> For the fullest, most current information on proper application, clean-up, mixing and other specifications and warranties, cautions and disclaimers, please refer to the Sto Corp. website, <a href="http://www.stocorp.com">www.stocorp.com</a>
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