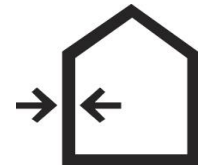


## PRODUCT BULLETIN

# StoVentec™ Carrier Board A+

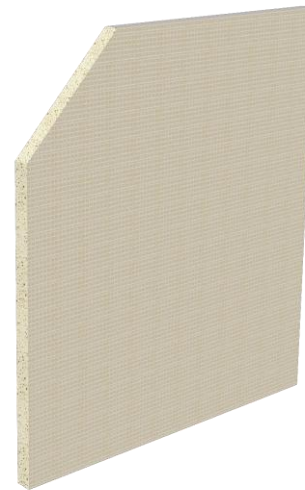
Product Numbers: 07002-007, 07008-008, 07002-009



### PRODUCT DESCRIPTION

StoVentec™ Carrier Board A+ is a lightweight composite board made of recycled glass granulate for use in the StoVentec Render Rainscreen® wall system for facades. It can also be used on interiors with Sto finish systems or over steel or wood frame ceilings and soffits.

FEATURES	BENEFITS
Lightweight	Easy to handle, job site safety, minimizes dead load
Cuts and scores easily	Fast and easy to install, no special tools needed, no respirable silica dust from power saws
Strong and flexible	Easy to create smoothly radiused surfaces, high impact resistance, crack resistant
Dimensional stability	Ideal substrate for render, glass, stone, tile and other veneers
Class A building material	Low flame spread and smoke development; can be used on interior or exterior



### SIZES AND PACKAGING

Product No. 07002-009: 12mm x 1219mm x 2438mm (~1/2in x 4ft x 8ft) stacked on pallets, 80 sheets per pallet

Product No. 07002-007: 12mm x 1200mm x 2400mm (~1/2in x 47-1/4in x 94-1/2in) stacked on pallets, 80 sheets per pallet.

Product No. 07008-008: 12mm x 800mm x 1200mm (~1/2in x 31-1/2in x 47-1/4in) stacked on pallets, 80 sheets per pallet

### STORAGE AND HANDLING

Store on pallets off the ground in a dry location.

### APPLICATION

As a component of StoVentec Render Rainscreen: StoVentec Render is intended for use on vertical above grade walls over structurally sound, code compliant concrete, masonry, and steel or wood frame wall construction with gypsum or wood-based sheathing. After the substrate is protected with Sto AirSeal® air and moisture barrier, StoVentec™ Sub-construction and Sto Ventec Carrier Board A+ are installed. StoVentec Sub-construction is installed over back-up wall construction with StoVentec Brackets and T-Profiles aligned with vertical studs at not more than 406mm (~16in) on center, or on concrete or masonry wall construction with StoVentec sub-construction installed vertically at not more than 406mm (~16in) on center.

Cut StoVentec Carrier Board A+ by scoring one side and snap and cut the opposite side as if cutting drywall. Install the boards horizontally in a running bond pattern with each board piece supported by at least two StoVentec T-Profiles, with board joints tightly abutted, and with all vertical joints centered over a T-Profile. Attach all boards at not more than 152mm (6in) on center with 5.5mm x 24mm (~3/16in x 15/16in) StoVentec Render Façade Screws staggered along T-Profiles 25mm (~1in) from the centerline of the T-Profile. Space screws adjacent at vertical board joints

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25mm (~1in) from board ends. Space screws at horizontal board joints 50mm (~2in) from board edges. At vertical terminations space screws in a line closest to the termination 25mm (~1in) from the centerline of the T-Profile. At horizontal terminations space screws 50-60mm (~2 – 2 3/8in) from board edges. **IMPORTANT:** Screws must be flush with the surface of the carrier board. Do not overdrive.

**Ceilings and Soffits:** StoVentec Carrier Board A+ may be installed over code compliant steel or wood frame ceilings and soffits with framing supports at not more than 406mm (16in) on center. Install horizontal rails at 406mm (16 in) on center with minimum 90mm (3-1/2in) attachment width, typically hat channels for steel frame and 2x4 wood studs for wood frame. Install the board over horizontal rails consistent with the application described above.

**Interiors:** Install StoVentec Carrier Board A+ over 406mm (16in) on center furring with minimum 90mm (~3-1/2in) wide attachment area. Space fasteners not more than 152mm (~6in) on center and 25mm (~1in) from ends and edges. Finish with Sto Armat Classic plus base coat embedded in Sto Mesh, and Stolit textured finish or other Sto finishes for interiors.

## LIMITATIONS

- Maximum allowable exposure period once installed: 6 months
- Maximum allowable deflection for back-up wall construction: L/360
- Not for use on exposed exterior horizontal or low slope surfaces, below grade, roofs or roof-like surfaces, or in areas of water-immersion, pooling or ponding water. For use on vertical above grade walls as a component of StoVentec Render Rainscreen wall system and on steel or wood frame ceilings and soffits.
- Radius walls:  $\geq 8\text{m}$  (~26ft) with standard board;  $\geq 0.5\text{m}$  and  $< 8\text{m}$  ( $\geq 20\text{in}$  and  $< 26\text{ft}$ ) with pre-cut boards

Refer to StoVentec Render Guide Specification, and Design Guide and Detail booklet for complete information on system design and detailing.

## TECHNICAL DATA

PROPERTY	TEST METHOD	TEST CRITERIA	RESULT*
Color	N/A	N/A	Beige
Weight	N/A	N/A	6 kg/m <sup>2</sup> (1.23 lb/ft <sup>2</sup> )
Density	N/A	N/A	500 kg/m <sup>3</sup> (31.2lb/ft <sup>3</sup> )
Thermal Conductivity	DIN 56212	Measure	0.09 W/(m•K) (0.052 BTU/h•ft•°F)
Thermal Expansion Coefficient	Lab Method	Measure	9.5x10 <sup>-6</sup> /K (5.3 x 10 <sup>-6</sup> /°F)
Flexural Modulus of Elasticity	EN ISO 178	Measure	1800-2000 N/mm <sup>2</sup> (261,068-290,076 lb/in <sup>2</sup> )
Surface Burning	ASTM E84	Flame Spread $\leq 25$ Smoke Development $\leq 450$	20 10 Class A Material

## SUSTAINABILITY

Recycled Content	Sto Carrier Board A+ contains 90+% recycled glass
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<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: A0.1 Date: 06/2020	<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>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.</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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