



Frequently Asked Questions about StoTherm[®] ci XPS

Q. What is StoTherm ci XPS?

A. StoTherm ci XPS is a durable exterior wall cladding with continuous insulation and multiple aesthetic design possibilities.

Q. How does StoTherm ci XPS enhance building sustainability?

A. XPS boards in StoTherm ci XPS use 28% less material to get the same R-value per inch of thickness as EPS. XPS also has a uniform closed cell structure, which provides a higher durability.

Q. What is the compressive and flexural strength of StoTherm ci XPS rigid insulation?

A. ASTM C 578 Type X XPS boards used in StoTherm ci XPS have minimum 15 psi compressive strength and minimum 40 psi flexural strength, providing additional durability and strength compared to Type I EPS .

Q. What thicknesses or R-values and sizes of boards are available for StoTherm ci XPS?

A. The R-value of XPS boards used in StoTherm ci XPS is 5.0 per inch. Boards are available in 2'x4' with thickness from 1" (R-5) up to 4" (R-20). Assemblies can be built with up to 6" (R-30) thickness in 2 layers. This maximum thickness is limited by what was tested per the NFPA 285 fire test standard.

Q. Does StoTherm ci XPS require mechanical fasteners?

A. No. StoTherm ci XPS is a fully adhered wall system using Sto Turbostick-a polyurethane based fast drying adhesive that dries as soon as 4 hours after adhering the XPS insulation board.

Q. Do StoTherm ci XPS systems comply with the code?

A. Yes. StoTherm ci XPS has been evaluated by ICC-ES and is listed in ICC-ESR 1748 for use on all Types of construction without height or setback limitations. Refer to ICC-ESR 1748 for additional information.

Q. Can XPS boards specified by Sto be substituted with other XPS boards?

A. No. The use of any substitute XPS board voids any applicable warranty from Sto Corp. The reason for this is that standard XPS boards form a natural "skin" during the manufacturing process, which may change the physical properties and interfere with adhesion.

Q. Can the system be used in Canada?

A. Yes. Sto Corp. maintains a listing with Intertek/Warnock Hersey that permits the use of XPS conforming with CAN/ULC S701. Refer to Intertek/Warnock Hersey listing nos. STO/WEIFS 25-01/25-02 and STO/WEIFS 15-01.

Q. How and where is StoTherm ci XPS specified?

A. StoTherm ci XPS is specified in Section 07 24 19, Water Drainage Exterior Insulation and Finish System (EIFS). It can be specified for virtually all types of construction without height or setback limitations as it meets the acceptance criteria of NFPA 285 and NFPA 268.

Q. What about warranty?

A. Sto Corp. provides a limited warranty of 10, 12, or 15 years with Sto Essence DPR Finish, Stolit Finish, and Stolit Lotusan Finish, respectively.

Q. Which XPS insulation can I use?

A. Sto has partnered with Dow and Owens Corning as providers of the XPS insulation to be used in StoTherm ci XPS systems. Dow Panel Core 20 and Owens Corning Foamular CI-C are both approved XPS products to be used in StoTherm ci XPS.

Q. How can I purchase the insulation?

A. Sto is working with both suppliers under different supply-chain models. For more information, please see the below table.

	Dow	Owens Corning
Insulation Board Type	Dow Panel Core 20	Owens Corning Foamular CI-C
Size	2'x4'	2'x4'
Where do I place my order and expect billing from?	Just like any other Sto product, orders are placed to Sto. All transactions and the order management are centrally managed and fulfilled through Sto.	The insulation can be purchased from Owens Corning directly. Sto is not involved in this transaction.
Order quantity	Just like any other Sto product, orders are placed to Sto. All transactions and the order management are centrally managed and fulfilled through Sto.	Per individual agreement with Owens Corning.
Packaging	Dow branded packaging	Sto branded packaging
Technical Documents	StoTherm ci XPS System Bulletin (w/ Dow Panel Core 20) StoTherm ci XPS Specification (w/ Dow Panel Core 20) StoTherm ci XPS Detail Series (w/ Dow Panel Core 20)	StoTherm ci XPS System Bulletin (w/ Owens Corning Foamular CI-C) StoTherm ci XPS Specification (w/ Owens Corning Foamular CI-C) StoTherm ci XPS Detail Series (w/ Owens Corning Foamular CI-C)
Warranty	Both products are covered by the same warranty terms.	
Marketing Materials	StoTherm ci system brochure StoTherm ci XPS sales sheet	
Samples	StoTherm ci XPS samples are available for both insulation types. Order via stosupplies.com in separate product numbers.	

Sto Corp.
 3800 Camp Creek Parkway
 Building 1400, Suite 120
 Atlanta, GA 30331
 Phone 404-346-3666
 Toll Free 1-800-221-2397
 Fax 404-346-3119
 www.stocorp.com

ATTENTION

Sto products are 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. They 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 Sto products 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. **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.** 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, www.stocorp.com.