



1. Sto Guard®
2. Sto TurboStick™ Adhesive
3. Dow STYROFOAM™ Panel Core 20 Insulation
4. Sto Mesh
5. Sto BTS Xtra Base Coat
6. Sto Primer
7. Sto Finish

StoTherm® ci XPS

Durable, High Performance, Insulated Wall System

A fully-tested system providing superior air and weather tightness, excellent long-lasting thermal performance and durability, incorporating StoGuard® liquid-applied air and moisture barrier and Dow STYROFOAM™ Panel Core 20 Insulation.

This sustainable, high-performance wall system helps lower energy costs and reduces the carbon footprint of buildings. In addition, StoTherm® ci XPS offers unmatched aesthetic choices thanks to a wide range of decorative and protective finishes available in virtually unlimited colors.

StoTherm® ci XPS meets both the ASHRAE design standard 90.1-2010 and the new IGCC/IECC* energy code requirements for continuous insulation.



StoTherm® ci XPS Benefits:

Highly energy-efficient system that yields significant savings in cooling and heating costs

- High energy efficiency achieved with StoGuard® air and moisture barrier, and Dow Panel Core 20 Insulation¹
- Dow Panel Core 20 insulation board provides exceptional thermal performance: R-value of 5.0 per 1"
- The use of Sto TurboStick™, a unique polyurethane spray foam adhesive, to attach the insulation board prevents thermal bridging from mechanical fasteners
- Meets ASHRAE design standard 90.1-2010 and the new IGCC/IECC* energy code requirements for continuous insulation

Extremely durable system that extends life-cycle of the building

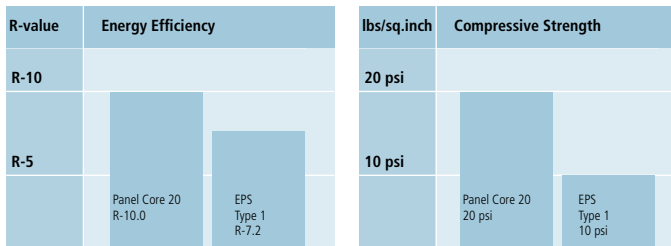
- Dow Panel Core 20 insulation board provides exceptional durability with a compressive strength of 20 psi
- Its closed cell structure prevents liquid movement through the material, thus maintaining a stable long term R-value
- Sto Therm ci XPS meets NFPA 285 fire testing acceptance criteria for wall assemblies

Sustainable system with a smaller carbon footprint than most claddings

- The higher total R-value minimizes heating and cooling costs, reducing greenhouse gas emissions
- Light-weight system which creates less solid waste in production and at end-of-life than heavier claddings
- Dow Panel Core 20 insulation board is HCFC (hydrochlorofluorocarbon) free with zero ozone-depletion potential, and is a recyclable product

Exceptional Design Versatility

- Wide range of decorative and protective 100% Acrylic wall finishes in virtually unlimited colors
- Finishes include eye-catching options like brick, granite, limestone, stucco and metal
- Unique, patented self-cleaning StoLit® Lotusan® finish option with Lotus-Effect® technology: self cleaning properties



2" Thickness per ASTM C518 at 75°F

Technical Data: Dow Panel Core 20 Insulation Board

Property and Test Method	Test Method	Criteria	Value
Density	ASTM D1622	lbs/ft ³	1.5
Water Absorption	ASTM C272	% by vol. max	0.3
Water Vapor Permeance ²	ASTM E96	perm. max	1.5
Surface Burning Characteristics ³			
Flame Spread Index	ASTM E84		15
Smoke Developed Index	ASTM E84		165

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*IGCC: International Green Construction Code - IECC: International Energy Conservation Code

1 Panel Core 20 Insulation Board: STYROFOAM™ Extruded Polystyrene Foam Insulation by Dow Building Solutions

2 Based on 1" thickness

3 This numerical flame spread rating is not intended to reflect hazards presented by this or any other material under actual fire conditions

ATTENTION

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