



## **StoTherm® ci**

### Impact resistance to meet every project requirement

Do you need an exterior insulated wall system that can stand up to blows and abuse? StoTherm ci can be as durable and impact-resistant as you want to make it. The standard basecoat and mesh can be exchanged for more flexible or resilient components, depending on the specific building requirements. Need more impact resistance? We can deliver it.

**sto**



Building with conscience.

# StoTherm® ci

## Higher impact resistance? It's as simple as specifying what you want.

Building a system that's more impact resistant is easy with our wide range of flexible basecoats and heavier mesh components. Using the ASTM impact classification chart to the right, simply specify the component that meets your requirements. By specifying these items from the start, you can avoid the material and labor costs of adding components later.

ASTM E2486 Impact Range Classification		StoTherm® ci Components meeting each Classification.		
		Basecoat	Mesh	
Standard	25-49 inch-lb (2.8-5.6 J)	Standard EIFS Basecoat	4.5oz. Mesh	<b>+ Adhesive + Insulation + Finish</b>
Medium	50-89 inch-lb (5.7-10.1 J)	Standard EIFS Basecoat	2 layers 4.5oz. Mesh	
High	90-150 inch-lb (10.2-17.0 J)	Standard EIFS Basecoat	11oz. Mesh	
Ultra High	> 150 inch-lb (17.0 J)	Standard EIFS Basecoat	4.5oz.+11oz. Mesh or Sto Armor Mat or Sto Armor Mat XX	



## It's a tough world. StoTherm® ci is tougher.

Enhancing impact resistance makes sense in hurricane- and tornado-prone locations. Elsewhere, use Sto's high impact solutions for schools, buildings close to playing fields or golf courses, and areas on all buildings that are prone to incidental impacts or severe weather:

Entryways | Exterior stairways | Flatter surfaces | Tops of shapes

## Impact resistance you must see to believe.

StoTherm® ci meets the ultra-high impact class per ASTM E 2486 at 150 inch-lbs, and most of our solutions even exceed the standard. But what does that kind of impact resistance look like? View our impact resistance video by visiting [stocorp.com](http://stocorp.com) and searching StoTherm ci Impact Resistance, and you'll see how strong StoTherm ci is.

Mesh Options		
Product Name	Nominal Weight oz/yd2 (g/m2)	Product Description
StoMesh	4.5 (153)	Symmetrical, interlaced open-weave glass-fiber fabric
Sto Intermediate Mesh	11.0 (373)	High-impact, interwoven, open-weave glass fiber fabric
Sto Armor Mat	15.0 (509)	Ultra-high impact, double-strand, interwoven, open-weave glass-fiber fabric
Sto Armor Mat XX	20.0 (678)	Highest nominal weight mesh for maximum impact resistance.

Basecoat Options	
Product Name	Product Description
BTS Plus and BTS Silo	A dry mix, polymer-based cementitious basecoat, easy to apply and providing high adhesion.
BTS Xtra	A dry mix, light weight, polymer-based cementitious basecoat with high build properties.
RFP	A ready-mixed, 100% acrylic basecoat providing superior flexural strength, vapor permeability and crack resistance.

Insulation Options	
Product Name	Product Description
EPS Insulation	Standard nominal 1.0 lb/ft3 (16 kg/m3)
XPS Insulation	Type X extruded polystyrene (XPS) rigid foam plastic insulation board with a 77% higher density and 250% higher compressive resistance than EPS

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