



Building with conscience.

# StoTherm<sup>®</sup> ci

Impact resistance to meet every project requirement

Facades



StoTherm<sup>®</sup> 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's high-impact resistance solutions can resist blows from heavy materials, projectiles, and sharp objects making it ideal for natural disaster areas that are susceptible to hurricanes or tornados. StoTherm ci impact resistance can also be used in high traffic areas such as buildings close to playing fields or golf courses, and areas that are prone to incidental impacts, like entryways, exterior stairways, or top of architectural accents.



## 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.

## 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 scanning the QR code, and you'll see how strong StoTherm ci is.



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

Mesh Options		
Product Name	Nominal Weight oz/yd <sup>2</sup> (g/m <sup>2</sup> )	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
Sto BTS Plus and Sto BTS Silo	A dry mix, polymer-based cementitious basecoat, easy to apply and providing high adhesion
Sto BTS Xtra	A dry mix, light weight, polymer-based cementitious basecoat with high build properties
Sto RFP	A ready-mixed, 100% acrylic basecoat providing superior flexural strength, vapor permeability and crack resistance

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