



Building with conscience.

Sto Hurricane Impact Systems

Hurricane Protection Systems for Exterior Walls

Facades



Sto Hurricane Impact Systems protect buildings from the high winds, water intrusion and wind borne debris associated with hurricanes and tropical storms. They are recommended for coastal construction or anywhere the risk of hurricanes is high.



A smarter cladding offering advanced protection

Hurricanes threaten North America frequently, endangering lives and leaving costly damage to the populated areas they hit. Since 2000, numerous hurricanes have hit the US coastline resulting in more than \$650 billion in insurance losses.

Sto Hurricane Impact (HI) Systems provide several exterior cladding options to protect against hurricane and tropical storm winds,

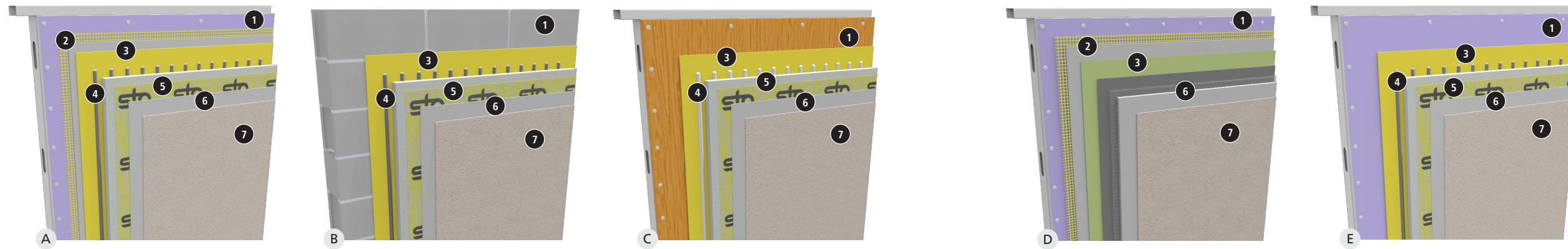
water intrusion, and windborne debris. All systems meet the stringent High Velocity Hurricane Zone (HVHZ) provisions of the Florida Building Code at specified design pressures. Sto Hurricane Impact Systems have Miami-Dade County Notice of Acceptance (NOA) and Florida Statewide Product Approval.

For more information visit www.stocorp.com.

Key features of the systems include:

- Priced competitively with other claddings
- Fire-resistance rated assemblies
- Lightweight
- Technical Support in person, on the phone and on-line

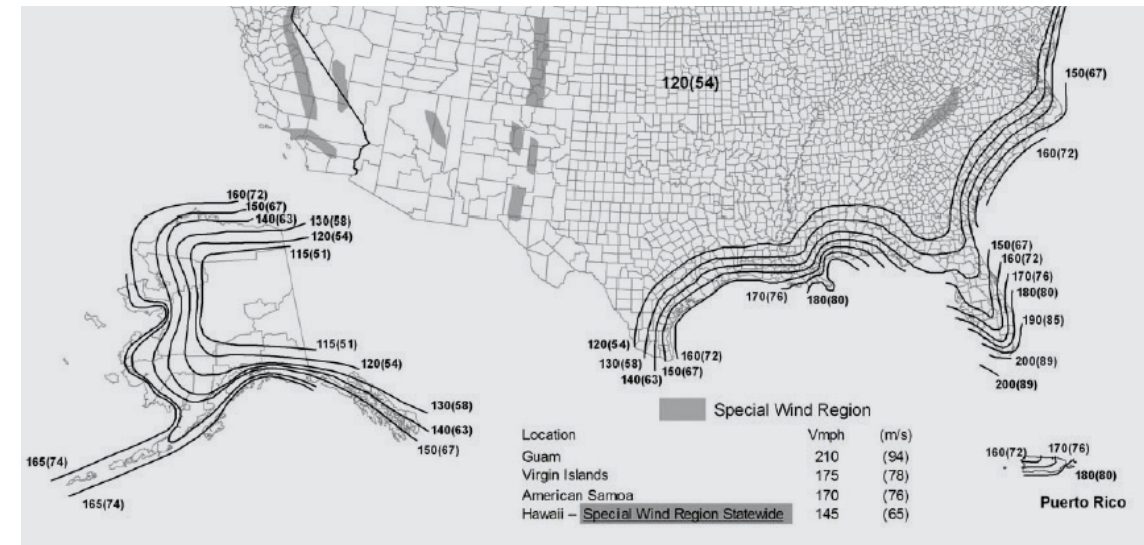
Sto HI systems may be installed economically on a variety of construction types – metal frame with gypsum sheathing, wood or steel frame with plywood sheathing, or concrete masonry. Select from Sto’s wide range of decorative and protective wall finishes for outstanding appearance and superior protection against some of the most severe weather in North America.



No.	System Name	Florida Statewide Approval No.	Impact Resistance ¹		Design Pressure Rating (psf)	Construction type	System Components ²							NOTES
			LM	SM			1	2	3	4	5	6	7	
A	StoTherm® ci 1177-LM-150	21034.1	X	X	± 150 ³	I - IV, V	Glass Mat Gypsum	Sto Primer/Adhesive-B with Sto Armor Mat XX	StoGuard® with Sto Gold Coat®	Sto Primer/Adhesive-B	NOA compliant 1.0 pcf EPS	Sto Primer/Adhesive-B with Sto Mesh (4.5 oz/yd ²)	Sto Finish	1. LM = Large Missile Resistance Rated - for use at and below 30 ft. SM = Small Missile Impact Rated - for use above 30 ft. 2. Heading numbers correspond to numbers shown on drawings. 3. Maximum design pressure varies by sheathing brand. See actual NOA available at www.stocorp.com or www.miamidade.gov . 4. Add StoGuard® with Sto Gold Coat® to assembly where an air barrier is required. 5. StoTherm® ci HVHZ compliant systems are listed under Florida Statewide Approval No. 21034.1, see www.floridabuilding.org . 6. Actual NOA reports are available at www.miamidade.gov . 7. See ICC-ESR-1233, ICC-ESR-1748 and ESR-2323 for FBC Supplement
B	StoTherm® LM 180 CMU EIF System L.M.I.	21034.1	X	X	± 180	I - IV, V	8 in. Concrete Masonry	N/A	StoGuard® with Sto Gold Coat®	Sto Primer/Adhesive-B	NOA compliant 1.0 pcf EPS	Sto Primer/Adhesive-B with Sto Mesh (4.5 oz/yd ²)	Sto Finish	
C	Sto HI-Ply EIFS L.M.I. ⁵	21034.1	X	X	± 100 (wood frame) ± 150 (steel frame)	V	5-Ply, 5/8 in. CDX Exterior Plywood	N/A	StoGuard® with Sto Gold Coat®	Sto Primer/Adhesive-B	NOA compliant 1.0 pcf EPS	Sto Primer/Adhesive-B with Sto Mesh (4.5 oz/yd ²)	Sto Finish	
D	StoPowerwall® HI Wall Panel System	See note 7	X	X	± 100 ³	I - IV, V	Glass Mat Gypsum	Sto Base Coat with Sto Armor Mat XX	StoGuard® with Sto Gold Coat®	N/A	N/A	Sto Powerwall Stucco	Sto Finish	
E	StoTherm® ci 1177-SM-150	21034.1		X	± 150 ³	I - IV, V	Glass Mat Gypsum	N/A	StoGuard® with Sto Gold Coat®	Sto Primer/Adhesive-B	NOA compliant 1.0 pcf EPS	Sto Primer/Adhesive-B with Sto Mesh (4.5 oz/yd ²)	Sto Finish	



Ultimate design wind speeds for risk category II buildings and other structures



- NOTES**
1. Values are nominal design 3-second gust wind speeds in miles per hour (m/s) at 33 ft (10m) above ground for Exposure C category.
 2. Linear interpolation between contours is permitted.
 3. Islands and coastal areas outside the last contour shall use the last wind speed contour of the coastal area.
 4. Mountainous terrain, gorges, ocean promontories, and special wind regions shall be examined for unusual wind conditions.
 5. Wind speeds correspond to approximately a 3% probability of exceedance in 50 years (Annual Exceedance Probability = 0.000588, MRI = 1700 Years).



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