Hurricane Protection Systems for Exterior Walls
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 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.

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.

<table>
<thead>
<tr>
<th>No.</th>
<th>System Name</th>
<th>Florida Statewide Approval No.</th>
<th>LM</th>
<th>SM</th>
<th>Design Pressure Rating (psf)</th>
<th>Construction type</th>
<th>Substrate</th>
<th>Sheathing Reinforcement</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>StoTherm® ci 1177-LM-150</td>
<td>21034.1</td>
<td>X</td>
<td>X</td>
<td>± 150</td>
<td>I - IV, V</td>
<td>Glass Mat Gypsum</td>
<td>Sto Primer/Adhesive-B with Sto Armor Mat XX</td>
</tr>
<tr>
<td>B</td>
<td>StoTherm® LM 180 CMU EIF System L.M.I.</td>
<td>21034.1</td>
<td>X</td>
<td>X</td>
<td>± 180</td>
<td>I - IV, V</td>
<td>8 in. Concrete Masonry</td>
<td>N/A</td>
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<tr>
<td>C</td>
<td>Sto Hi-Ply EIFS L.M.I.</td>
<td>–</td>
<td>X</td>
<td>X</td>
<td>± 100 (wood frame) ± 74 (steel frame)</td>
<td>V</td>
<td>S-Ply, 5/8 in. Exterior Plywood</td>
<td>N/A</td>
</tr>
<tr>
<td>D</td>
<td>StoPowerwall® HI Wall Panel System</td>
<td>–</td>
<td>X</td>
<td>X</td>
<td>± 90</td>
<td>I - IV, V</td>
<td>Glass Mat Gypsum</td>
<td>Sto Base Coat with Sto Armor Mat XX</td>
</tr>
<tr>
<td>E</td>
<td>StoTherm® ci 1177-SM-150</td>
<td>21034.1</td>
<td>X</td>
<td></td>
<td>± 150</td>
<td>I - IV, V</td>
<td>Glass Mat Gypsum</td>
<td>N/A</td>
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<tr>
<td>F</td>
<td>Sto Class PB EIFS S.M.I.</td>
<td>–</td>
<td>X</td>
<td></td>
<td>± 125</td>
<td>I - IV, V</td>
<td>Glass Mat Gypsum</td>
<td>N/A</td>
</tr>
</tbody>
</table>
Ultimate Design Wind Speeds For Risk Category II Buildings And Other Structures

NOTE
1. Values are nominal design 3-second gust wind speeds in miles per hour (mph) 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. Wind speeds correspond to approximately a 3% probability of exceedance in 50 years. (Annual Exceedance Probability = 0.000588, MRI = 1700 Years).

NOTES
1. LM = Large Missile Resistance Rated - for use at and below 30 ft.
2. SM = Small Missile Impact Rated - for use above 30 ft.
3. Heading numbers correspond to numbers shown on drawings.
5. Add StoGuard® with Sto Gold Coat® to assembly where an air barrier is required.
6. StoTherm® ci HVHZ compliant systems are listed under Florida Statewide Approval No. 21034.1, see www.floridabuilding.org.
7. Actual NOA reports are available at www.miamidade.gov.

Air & Moisture Barrier | Adhesive | Insulation | Reinforced Base Coat | Finish
--- | --- | --- | --- | ---
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/yd²) | Sto Finish
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/yd²) | Sto Finish
StoDispersion Adhesive | NOA compliant 1.0 pcf EPS | | Sto Primer/Adhesive-B with Sto Mesh (4.5 oz/yd²) | Sto Finish
Building paper with min. 2.5 lb/sq yd metal lath | N/A | N/A | Sto Powerwall Stucco with Sto Base Coat and Sto Mesh (4.5 oz/yd²) | Sto Finish
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/yd²) | Sto Finish
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/yd²) | Sto Finish
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/yd²) | Sto Finish
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 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.

*Sto Hurricane Impact (HI) Systems are recommended for coastal construction where the risk of hurricanes is high.