

FORTIFIED Commercial™–Wind Hail Supplement Form

This form captures the (optional) supplemental hail hazard requirements outlined in the FORTIFIED Commercial–Wind standard. To achieve a hail designation or compliance, the building must be located in a hail-prone county as shown in Figure 1 and all hail requirements [marked “(Optional) Hail Supplement”] throughout the standard must be met in addition to either the hurricane or high wind requirements.

This form is to be submitted in addition to either the (1) New Construction & New Additions Form, (2) Existing Construction Re-Roofing Form, or (3) a combination of the two.

This form is to be filled out by the project architect, a licensed structural engineer, and the general contractor and/or roofer. It confirms the requirements for the hail supplemental have been included in the building documents and the contractor and/or roofer is aware of these requirements.

Hail Supplement Requirements

Is the building located in a hail-prone region?¹ Yes No

Roof Cover Impact Rating

Please select the appropriate impact rating(s) of the installed roof cover:²

- Roof covers for low-sloped roofs ($\leq 10^\circ$ or less than 2/12 pitch):
 - FM Approval Standard 4470 with a Class 1-SH or 1-VSH
 - UL 2218 Class 4
 - Not Applicable
- Roof covers for steep-sloped roofs ($> 10^\circ$ or greater than 2/12 pitch):
 - Asphalt Shingles³
 - Manufacturer/Brand: _____
 - IBHS Rating:⁴
 - Excellent
 - Good
 - Clay and Concrete Roof Tiles
 - FM Approval Standard 4473 Class 4
 - Metal Panels
 - UL 2218 Class 4
 - Other Roof Coverings
 - FM Approval Standard 4473 Class 4
 - UL 2218 Class 4

Notes/Comments:

Skylights

Yes N/A

Please select the appropriate impact rating of the installed skylights:

- ASTM E1886 cyclic pressure test requirements and ASTM E1996 missile impact rated “B”, “C”, “D”, or “E”.
- FM Approved per ANSI/FM 4431, with Severe Hail Rating.⁵
- Current Miami-Dade County Approved (MDCA) Notice of Acceptance including impact resistance.

Roof-Mounted Equipment

Yes N/A

All vulnerable components of roof-mounted equipment are protected by hail guards including but not limited to air conditioner condenser fins and air intakes such as fans.

Yes No

Photovoltaic (PV) Systems

Yes N/A

Please select the appropriate impact rating of the installed photovoltaic systems:

- Rigid PV modules that are FM Approved for hail or meet FM Approval Standard 4478 with a Class 4 rating.
- Flexible PV modules that are FM Approved for hail or meet FM Approval Standard 4476 with a Severe Hail rating.

¹ See section 2.4.2 of the FORTIFIED Commercial–Wind standard.

² Use the “Notes/Comments” section to explain if multiple roofs are installed that have different impact ratings.

³ Products with a good or excellent rating must be used per the IBHS Impact Resistance Test Protocol for Asphalt Shingles; refer to section 5.1.2.1 in Appendix A of the FORTIFIED Commercial–Wind standard.

⁴ For asphalt shingle products that have not yet been tested by IBHS, and therefore do not appear on the IBHS Impact Ratings List, documentation must indicate that the products are polymer-modified and have either a UL 2218 Class 4 rating or FM 4473 Class 4 rating to be eligible. Provide shingle details in the notes/comments box provided.

⁵ FM Approval Guide lists current and active skylights that meet ANSI/FM 4431 with a severe hail rating.