



Texas Department of Insurance

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DOW POWERHOUSE Solar Shingles

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DOW POWERHOUSE Solar Shingles comply with ASTM D 3161, Class F and meet the requirements of the 2006 IRC and IBC, as modified by the 2006 Texas Revisions, for installation in conjunction with wind resistant asphalt shingles that meet ASTM D 3161, Class F, or ASTM D7158, Class G or H.

The DOW POWERHOUSE Solar Shingles shall be installed according to the [ICC-ES ESR-2991 Reissued July 2012](#), the [DOW POWERHOUSE Solar Shingle System Installation Instructions](#) and the [Roof Flashing Guide](#).

Note: The DOW POWERHOUSE Solar Shingles are individually labeled in contrast to the asphalt shingles which are labeled on the wrapper. The label indicating ASTM D 3161, Class F (110 MPH), is reproduced below.

ICC-ES ESR-2991, Section 4.3 Underlayment, requires that one (1) layer of GAF VersaShield Fire-Resistant Roof Deck Protection must be installed under the DOW POWERHOUSE Solar Shingles for all roof slopes.

- One (1) layer of asphalt-saturated felt or one layer of self-adhered underlayment complying with ASTM D 1970 is optional under the GAF VersaShield for roof slopes greater than or equal to 4:12.
- Two (2) layers of asphalt-saturated felt or one layer of self-adhered underlayment complying with ASTM D 1970 is required under the GAF VersaShield for roof slopes between 2:12 and 4:12.
- GAF VersaShield Fire-Resistant Roof Deck Protection installed in accordance with [ICC-ES ESR-2053](#) is an alternative to ASTM D 226, Type I or Type II, roofing underlayment specified in Chapter 15 of the IBC and Chapter 9 of the IRC.

