



Steep Sloped Roof (>10°): Sealed Roof Deck Underlayment Alternative

Technical Bulletin FC 2020-01

First Release:

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Prepared by:

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Applicable Standards:

FORTIFIED Commercial™–Wind

Applicable FORTIFIED Levels:



ASTM D6757- An Alternative to #30 Felt Underlayment

Scope

Two types of acceptable #30 felt underlayment are specified in the current FORTIFIED Commercial™ Wind Standards: ASTM D226 Type II or ASTM D4869 Type IV. However, in some areas of the country, the availability of underlayment products that meet these criteria is becoming limited. To address this issue, effective with the publication of this Technical Bulletin, FORTIFIED Commercial Wind is including ASTM D6757 Underlayment Felt Containing Inorganic Fibers for Steep-Slope Roofing for certain applications.

Applicable FORTIFIED Levels

This technical bulletin refers both new and existing construction (re-roofing) for FORTIFIED Roof, Silver and Gold.

Requirements

For steep-slope applications (>10°) with asphalt shingle roof covers, ASTM D6757 underlayment may be used as an alternative to ASTM D226 Type II #30 or ASTM D4869 Type IV #30 underlayment as specified in the Sealed Roof Deck Option 1 and Option 3 as outlined in section 3.1.3.3.1 of the FORTIFIED Commercial Wind Standards.

Required Documentation

Submit the Manufacturer’s data sheet showing the selected ASTM D6757 product meets all performance requirements of ASTM D226 Type II and ASTM D4869 IV, including liquid water transmission test to the FORTIFIED Commercial Evaluator with the applicable submittal form.

Required Photographs

Photo documentation is a supplementary tool that helps the FORTIFIED Commercial Evaluator inspect the roofing job more efficiently. Clear and focused photos help ensure all items are captured and could reduce the time of the overall inspection process.



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Please submit a compressed file including all requested photos with this form. Please correspond titles of photos to the titles mentioned in this document. All photos must be clear and focused on item(s) of interest. IBHS or the FORTIFIED Commercial Evaluator may request more photos.

1. Onsite Material Verification-
 - a. Photo- Manufacturer label of all materials used in accordance with §3.1.3.3 of the FORTIFIED Commercial Wind Standards.
 - b. Photo- Underlayment mechanical fastener manufacturer label (Note: applicable corrosion protection requirements outlined in section 3.1.4 apply)
2. Installation-
 - a. Photo- Underlayment direction of placement
 - b. Photo(s)- Underlayment placement at valleys and hips
 - c. Photo(s)- Underlayment fastening- annual ring or deformed shank nails with 1” dia. caps -corner and field areas