



TECHNICAL BULLETIN

INSTALLATION OF SELF-ADHERING UNDERLAYMENT OVER AN EXISTING LAYER OF SELF-ADHERED UNDERLAYMENT

SUPERSEDES PREVIOUS BULLETINS

Issue Description:

It is increasingly common for roofing contractors to install self-adhering underlayment on the entire roof of a structure. When it is time to replace the roof covering, it is usually very difficult to remove the self-adhered underlayment without causing damage to the roof sheathing. The following procedure can be used to cover the existing underlayment and install new WeatherLock® or Titanium® self-adhering underlayment and roof covering materials.

Recommendations:

Because the exposed surface of self-adhered underlayments varies so widely, Owens Corning does not recommend installation of a new self-adhering underlayment over an existing layer. Instead, we recommend that a mechanically fastened "slip" sheet be installed over the existing layer of self-adhered underlayment, then a new layer of self-adhering underlayment be installed over that. The following procedure should be followed when performing this work:

1. Remove all existing roof covering materials and fasteners. Ensure that the roof deck is free from protruding nails, dust, debris, and moisture.
2. Install a layer of Owens Corning or Titanium® synthetic underlayment or felt per local code requirements.
3. Install a layer of WeatherLock® or Titanium® PSU30 self-adhering underlayment over the slip sheet per the instructions on the packaging. Self-adhering underlayments should be back nailed at any slope when installed in this application. Back nail spacing should be per the installation instructions for the product that is installed.
4. In Florida, the "slip" sheet must be a minimum ASTM D226 Type II felt underlayment (*or approved synthetic underlayment – see list below*), fastened with min. 12 gage ring shank roofing nails that comply with ASTM F1667 through min. 1-5/8 inch diameter, 32 gage tin tags/caps. Fasteners should be spaced at 6 inches on center in all laps and a grid pattern of 12 inches on center between the overlaps. Nails should be long enough to penetrate at least 3/16 inch through the roof sheathing, or penetrate at least 3/4 inch into a 1 inch thickness of lumber. The following Owens Corning® synthetic underlayments are approved for this application in Florida:
 - Deck Defense®
 - Titanium® UDL25

Note: This document supersedes any previous Owens Corning Technical Bulletin on this topic.

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