



TECHNICAL BULLETIN

RE-ROOFING OVER AN EXISTING LAYER OF SELF-ADHERED UNDERLAYMENT WHERE ICE DAM PROTECTION IS NOT REQUIRED

SUPERSEDES PREVIOUS BULLETINS

Issue Description:

It is increasingly common for roofing contractors to install self-adhering underlayment on the entire roof of a structure to provide a secondary water barrier. In many cases, protection from ice dams is not necessary. This bulletin only addresses situations where ice dam protection is not required. When it is time to replace the roof covering it can be very difficult to remove the self-adhered underlayment without causing damage to the roof sheathing. The following procedure can be used to deal with the existing underlayment and install new roof covering materials.

Note: If existing roof deck has self-adhered underlayment for purpose of Ice Dam Protection, please see the Owens Corning Technical Bulletin 10025299, RE-ROOFING OVER AN EXISTING LAYER OF SELF-ADHERED ICE DAM PROTECTION

Recommendations:

- Remove all existing roof covering materials and fasteners. Ensure that the roof deck is free from protruding nails, dust, debris, and moisture.
- If there are more than 2 layers of existing self-adhered underlayment on the roof deck that cannot be removed, all roof sheathing should be removed and replaced in accordance with local code requirements.
- 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 the following:

If Existing Roof Deck is Partially or Completely Covered With No More Than 2 Layers of Existing Self-Adhered Underlayment (Non Ice-Dam Application).

Option 1: Mechanically fastened underlayment:

Install a mechanically fastened underlayment consisting of Owens Corning® synthetic underlayment or asphalt felt per local code requirements over the existing self-adhered underlayment. Install the final roof covering over the new underlayment.

Option 2: Self-adhered Underlayment over mechanically fastened underlayment:

If additional protection is desired, install a mechanically fastened underlayment “slip sheet” consisting of one layer of Owens Corning® Deck Defense® or Titanium® UDL25 synthetic underlayment. Then install a layer of WeatherLock® or Titanium® PSU30 self-adhering underlayment over the slip sheet per the installation instructions. Self-adhering underlayments should be back nailed at all slopes when installed in this application. Back nail spacing should be per the installation instructions for the product that is installed. Please note that only Deck Defense® and Titanium® UDL25 are approved for use as “slip sheets” in this system.

- Notes:**
1. The options above do not apply to Platinum Protection or Preferred Protection Limited Warranties which require the roofing system to be installed over a clean roof deck with all existing roofing material and debris removed including ice and water membrane.
 2. Not all building materials are compatible with one another. Issues such as the softening, flowing and dripping of asphalt compounds may result from contact with incompatible materials which may result in staining to the fascia, gutters and building exterior. Owens Corning is not responsible for any damage caused by incompatibility with any roofing component that is not manufactured by us.

Please contact 419-248-6557 for additional information.
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