

TECHNICAL LETTER—ROOFING UNDERLAYMENT REPAIR AND OVERLAY

Some situations may require repair of an existing roof underlayment or an overlay with a new membrane applied over an existing membrane. If a roofing underlayment is damaged during installation or by other trades prior to the finish roof covering is applied then a repair can be successful if the following guidelines are followed.

Repairs

Damaged area should be cleaned and free from all dirt, debris and other contaminants. A patch should be cut to cover a minimum of 6" in all directions around the area of damage. A light primer coat should be applied to the damaged membrane extending 7" in all directions past the damaged area. The primer should be allowed to completely cure prior to applying the patch. Once the primer is cured apply patch and roll to ensure adhesion. A minimum ½" bead of JS160H mastic should be applied to the entire edge of the patch area and troweled flat.

If a roofing membrane has been installed and left exposed longer than the recommended Exposure Limit, then an overlay of a second course can be successfully installed if the following guidelines are followed.

Overlay

Existing roof underlayment should be inspected for damage, loose areas and detail areas around penetrations; if damage is found, the damaged area should be repaired prior to installing the new course. The existing roof underlayment should be cleaned and free from all dirt, debris and other contaminants.

A full coverage of primer should be applied to the existing roof underlayment and allowed to fully cure.

Protecto Wrap #80 primer or BT primer are recommended for this application.

Installation of new course should follow standard installation practices, starting at the lowest point on roof deck. Underlayment should be cut so end laps are offset a minimum of one foot (12 inches).

Install membrane such that all laps shed water in both vertical and horizontal installations.

Valleys require a minimum 18" wide roll of underlayment, centered down the full length of the valley

Install membrane starting at the lowest point of roof slope and work up the slope.

Position the roll into the desired location, roll out the membrane and cut to length as needed.

Align the roll with edge of eave or overlap of preceding roll, pull membrane tight, start by removing a portion of the 2½" zip strip release liner and adhere to roof deck (reposition as needed prior to removing the remaining release liner).

Lift the opposing end of the membrane and remove or strip the release liner, pulling it to one side, keep membrane aligned and tight, adhere membrane to the roof deck while another person brooms the sheet flat.

Edge laps are 2" minimum and end laps are 6" minimum. All laps should be firmly pressed or rolled to ensure a positive seal.

Once the new roof underlayment is installed the finish roof covering can be applied

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