

## Synthetic Roofing Underlayment

### RhinoRoof U15 Technical Bulletin - Material Repair

#### Option #1

##### Repair material:

Using Titanium or RhinoRoof membrane cut a circle, rectangular, or a lineal piece of material that extends 3 inches beyond both sides of the damaged area. If your repair material has 90 degree corners, round the corners with the radius of a quarter or clip the corners to a 45 degree angle.

##### Adhesives:

Titanium or RhinoRoof may be repaired using sealant or adhesive, use a high quality, low solvent asbestos free, plastic roofing cement meeting ASTM D-4586 Type 1 (Asbestos Free) Federal Spec SS-153 Type 1 (Asbestos Free) such as Karnak, Henry, DAP, MB, Geocel or equivalent. Acceptable alternatives are butyl rubber, urethane, and EDPM based caulk or tape sealant.

##### Applying adhesive:

It is ideal for the adhesive to be applied near the edge and the field of the of the patch material. Apply the adhesive in a continuous bead to both the damaged material and to the repair material and press them together to disperse the adhesive. Make sure NO water can get under the new surface.

##### Repairing an open nail whole or equivalent:

Apply the adhesive over the hole and extend the adhesive at least ¼ inch beyond the edge of the hole on all sides.

#### Option #2

##### Removal of a damaged course of Titanium or RhinoRoof product:

You will need to remove the nails or plastic cap and nails in the top and bottom overlap field areas, and in the field area between the overlaps. Cut the ends of the material to be removed 90 degree to the overlap lines. Remove the damaged material. Cut your replacement material a minimum of 12 inches longer than the uncovered area. Make sure the deck area to be covered is clear of debris and protrusions. Slide the new replacement material under the upper course to the 4 inch overlap line of the new material. Center the replacement material to allow for a minimum of a 6 inch vertical overlap on both ends. Starting with a NEW nail position, nail through the overlap and through the new material using the 6 inch staggered nail spacing. Nail across the bottom overlap field using the printed 6 inch targets. Nail the vertical overlaps 1 inch in and starting near the bottom, nail every 6 inch until you reach the overlap. As an extra measure, apply some roofing cement over the holes in the top overlap caused by the nail or plastic cap and nail removal.

**Special note:** Many adhesives will shrink and gather or draw material a little when they cure.

#### Option #3

(A) Apply a piece of Titanium PSU30, remove the release liner, apply the PSU30 with at least 3 inch overlaps on all sides of the damaged area. Press hard by hand or walk on the PSU30 to push the modified SBS into the pours of the underlayment surface.

(B) For a small area, cut a piece of PSU30 into a diamond shape that should go 2 to 3 inches beyond the damage area on each side, clip the corners, apply the diamond shape with a point of the diamond pointed toward a ridge. In this way, if for any reason water will run by it, not against a ledge.