

R-Mer® Seal Underlayment

Application Guidelines



DESCRIPTION

R-Mer Seal is intended for use as a continuous secondary waterproofing underlayment under Garland's metal roof systems. R-Mer Seal adheres tenaciously to most clean, dry substrates including metal, plywood, OSB, rigid vinyl, polyisocyanurate insulation, and masonry. R-Mer Seal is designed for use on roof decks with slopes as low as 2:12. R-Mer Seal can also be used in valleys, ridges, around chimneys and penetrations, and at eaves for protection against ice dams and wind driven rain.

CONSIDERATIONS

- Use caution when working on roof surfaces. Observe all safety guidelines.
- Apply when the ambient air temperature, roll temperature and substrate temperature are all between 50°- 100°F (10°-43°C). Application in cooler temperatures will negatively affect adhesion.
- R-Mer Seal is recommended for roof decks with a minimum roof slope of 2:12, or as required by local building codes.
- Do not expose to direct sunlight for more than 90 days.
- R-Mer Seal may also be mechanically attached.

SURFACE PREPARATION

All surfaces to be waterproofed with this product must be smooth, dry, and free of projections, bulges and old roofing materials. Dust and moisture on the roof surface or the membrane itself will prevent proper adhesion. Prime substrate with Garland SA Primer at a rate of 0.5 gal./100 sq. ft. (0.21 l/m²).

NOTE: SA Primer is not needed when adhering to polyisocyanurate insulation.

NOTE: Never install this product over any old or existing roofing materials.

INSTALLATION

A. Field

1. Starting at the low point of the deck, peel back about 12 in. of the release liner, align the roll, and carefully press R-Mer Seal into place. Unroll the material along the deck removing release liner as it is installed. Apply the membrane in lengths up to 18 feet.

2. The adhesive on R-Mer Seal is pressure-activated, so press the material firmly into place using linoleum roller or equivalent to ensure a strong seal. Pay particular attention to the seams and overlaps, firmly rolling them with a hand roller so they are well-sealed.

3. Overlap head laps a minimum of 6 in. Overlap side laps a minimum of 3 in. as indicated by the lap lines on the product.

NOTE: The R-Mer Seal membrane should NOT be folded over roof edge unless covered by a gutter, mechanically fastened every 6" or protected with other flashing materials.

B. Details

Ridges, valleys, penetrations, dormers and other areas that require flashing need special attention. R-Mer Seal is not designed to withstand structural movement or to bridge openings greater than 1/8 in. When flashing, the overlapping layers of R-Mer Seal will seal to one another. Take special care that the overlap is a minimum of 6 in. and that seams are shingled so the water will flow over rather than against them.

C. Vertical Surfaces

Where R-Mer Seal terminates on a vertical surface, it should be nailed securely and sealed with an exterior-grade polyurethane or latex sealant. Do not install over active solvents or sealants, flexible vinyl gasketing, EPDM rubber, or caulking containing silicone as this may cause the asphalt adhesive to liquefy.

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