

R-Mer® Seal

Metal Roofing Underlayment

OVERVIEW & FEATURES

R-Mer Seal is a self-adhering high-temperature metal roofing underlayment. It is composed of a durable, non-slip, cross-laminated polymer film laminated to a high-temperature rubberized asphalt adhesive. A split release film protects the adhesive on the back side of the membrane and prevents the roll from sticking to itself during storage and handling.

R-Mer Seal is engineered for use as a continuous secondary waterproofing underlayment under Garland's metal roof systems. R-Mer Seal can also be used in valleys, ridges, penetrations and at eaves for protection against ice dams and wind driven rain. It can also serve as an underlayment for coping caps and edge metal applications.

Aggressive Adhesion – R-Mer Seal is formulated with high temperature rubberized asphalt for reliable protection. R-Mer Seal exhibits superior adhesion to the roof deck and strong lap strength, ensuring long-term watertight protection. Quality-controlled manufacturing ensures uniform film thickness throughout each roll.

Flexible & Self-Healing – The rubberized adhesive compound yields a flexible membrane with excellent elongation capabilities and tensile strength to accommodate the expansion and contraction of the substrate. The rubberized adhesive layer also exhibits self-healing capabilities and accommodates the use of fasteners, staples, nails, and screws while maintaining a watertight seal.

Easy Installation – The peel and stick application and overlap guidelines make installation fast and easy. R-Mer Seal's cross-laminated polymer film provides an excellent slip-resistant surface for installers.

High-Temperature Rating – R-Mer Seal is able to withstand the elevated temperatures of a rooftop environment without degrading or losing its waterproofing capabilities.

APPLICATION

R-Mer Seal adheres to metal, plywood, OSB, rigid vinyl, polyisocyanurate insulation and masonry substrates. R-Mer Seal is intended for use on roof decks with slopes of 2:12 and higher.

All surfaces must be in sound condition and free of dirt, debris, or dust. Prime all substrates to be waterproofed with SA Primer™ at a rate of 0.5 gal./100 sq. ft. (0.21 l/m²). Primer is not required when adhering to polyisocyanurate insulation.

Apply the membrane in lengths up to 18 feet. Overlap all seams a minimum 3" on the side laps and 6" on the head laps. Roll the seams and overlaps of the membrane with a hand roller to ensure complete adhesion with no voids, wrinkles, or fishmouths. The membrane should not be folded over the roof edge unless covered by a gutter, mechanically fastened every 6" or protected with other flashing materials.

PRECAUTIONS

- Do not expose to direct sunlight for more than 90 days.
- Store in original packaging and out of direct sunlight
- Must be installed in 50° F (10° C) and rising weather; contact your Garland representative or the Garland Technical Department for recommendations when temperatures are below 50° F (10° C)
- R-Mer Seal should not be applied during inclement weather and the installation should not proceed in the event that precipitation is probable during the application
- All substrates, except polyisocyanurate insulation, must be primed with SA Primer
- Do not use over silicone caulking or flexible vinyl gaskets
- Do not install over solvent-based sealants unless fully cured and dry to the touch

For more information, visit us at: www.garlandco.com

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R-Mer® Seal

Technical Data	R-Mer Seal
Thickness (ASTM D 5147)	45 mils (1.14mm)
Vapor Permeance (ASTM E 96)	<0.02
Flexibility @ -20°F (-28.88°C) (ASTM D 1970)	Pass
Tensile Strength (ASTM D 1970)	MD 32 lbs./in. (0.57 kg/mm) XD 35 lbs./in. (0.62 kg/mm)
Nail Sealability (ASTM D 1970)	Pass
Maximum Temp.	250°F (121.11°C)
Installation Temp.	50-100°F (10-37.7°C)
Color	White
Net Coverage	200 sq. ft. (18.5 m ²)
Packaging	30 rolls/pallet

Roll Dimensions	R-Mer Seal
Width	3 ft. (0.91m)
Length	73 ft. (22.25 m)
Weight	60 lbs. (27.2 kg)

For specific application recommendations, please contact your local Garland Representative or Garland Technical Department.

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Tests verified by independent laboratories. Actual roof performance specifications will vary depending on test speed and temperature. Data reflects samples randomly collected. ± 10% variation may be experienced. The above data supersedes all previously published information. Consult your local Garland Representative or the home office for more information.

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