



RG-400 BONDING PRIMER

Product Description

Roof Guardian Technologies (RGT) RG-400 Universal Bonding Primer is formulated from a high performance thermoplastic polymer for enhanced adhesion.

Basic Uses

RG-400 Universal Bonding Primer is designed as a bonding adhesive/primer over Kynar® metals and both new and weathered Single-Ply membranes to enhance the adhesion of RGT elastomeric coatings. It also blocks the migration of asphaltic oils eliminating staining and bleed through.

Limitations

Do not apply below 50°F (10°C) or when rain is forecast. Wear rubber gloves and eye protection when working with the Primer. Vapor is harmful, avoid breathing and be sure to have adequate ventilation during application and drying.

Technical Data

Vehicle Base	Thermoplastic polymer
Weight per gallon	7.0 lbs
Solids by weight	38%
Viscosity at 77°F (25°C)	1,100 cps
Elongation @15 dry mils	375% at 77°F
Tensile strength @15 dry mils	150 psi at 77°F
Dry film thickness (@ 1 gal. /100 sq. ft./gal. less surface absorption)	6.4 mils
Dry Time @ 1gal/100 sqft	1 – 2 hours
VOC	0 lbs/gal
Clean up	Mineral spirits/xylene

Surface Preparation

Surface must be power washed to remove all dust, dirt and other foreign matter that could prevent proper adhesion. Surface must be dry. RG-500 Bond It Wash Primer must be used on Single-Ply surfaces prior to washing. **IMPORTANT:** Where ponding water conditions persist beyond 48 hours, roof drains or other corrective measures must be installed to eliminate water build-up.

Application

Apply with a soft bristle brush, medium nap roller or airless spray. Do not over work when rolling or brushing surface.

For spray application use only Graco HD series spray tips, not paint tips with the atomizer bar as these will cause the product to go down uneven and aerate the product which can lead to pinholes and voids in the cured coating. Tip size depends on speed and substrate being sprayed. On pitched roofs 6-27 thru 6-31HD tips will help to control running and sagging of the product. On flat or porous surfaces 6-31 thru 6-34HD tips are acceptable.

During the application the spray tip should not be more than 12" from the surface. Excessive distance from the surface such as 24" to 30" can allow the product to catch air and begin to cure before it is on the surface and cause pinholes and premature failure. Do not fan spray. The tip should remain 90 degrees to the surface through the entire arc of the spray overlapping each pass by 50% and 6" on the end laps. On Single-Ply even coating is important, excessive millage or puddling on the end laps can cause wrinkling of the Single-Ply whether being sprayed or rolled.

Surface will dry tacky. Apply RG-130, RG-170 or RG-180 Elastomeric Coating per specification as soon as the primer is dry as uncoated primer will pick up dust, dirt and debris. Keep the time between applying the Elastomeric to the dry primer to a minimum. Be sure to read MSDS for all appropriate safety precautions with this product.

Coverage

Single ply membranes1 gal/100 sq ft.
Kynar® metal1 gal/100 sq ft.

See specifications for roof surface for application rates and detailed instructions.

Maintenance

It is recommended that the coating installation be checked on a regular maintenance schedule. Small area touch ups can be made at any time following recommended application procedures.



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Technical Services

Technical advice on use of material for specific application and end use requirements is available from the manufacturer. Material Safety Data Sheets (MSDS) should be consulted for further information. This product is for industrial and professional use only.

Packaging

55 gallon drums (208.2 liters)
5 gallon pails (18.9 liters)

Warranty

This product is manufactured of good materials and by competent workmen. Seller's and manufacturer's only obligations shall be to replace such quantity of product proved to be defective. Neither seller nor manufacturer shall be liable for any injury, loss or damage, direct or consequential, arising from the use or the inability to use the product. Before using, user shall determine the suitability of the product for his/her intended use; and user assumes all risk and liability

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