

RESURFACING MAINTENANCE SYSTEM OVER EXISTING COAL TAR PITCH OR ASPHALT ROOFS

PART 1: GENERAL

1.01 Description of Work

- A. This specification is for the application of Roof Guardian Technologies (RGT) products and should be used only as a general guide for cold applied roof restoration consisting of RG-15 No Slope Resurfacing Membrane over existing coal tar pitch or asphalt roofs with very little or no slope.
- B. The coating system is designed to extend the useful life of the roof.
- C. This specification is suitable for slopes up to 1/2":12". All other slopes by RGT review.

1.02 Quality Assurance

- A. Requirements of Regulatory Agencies: Furnish and apply all roofing materials in accordance with all regulatory agencies and in effect building codes.
- B. Contractor Qualifications:
 - 1. Contractor shall have business stability and own proper equipment to prepare and apply materials as described herein.
 - 2. Contractor must provide proof of insurance including liability and workers compensation certificates.
 - 3. Contractor must be an approved applicator of RGT or other approved coatings supplier.
 - 4. All warranted roofs are to have installed breather vents at the rate of one (1) vent per 1000 square feet.

1.03 Submittals

- A. Manufacturer's technical product data, literature and contractor drawings and certificates shall be submitted.

1.04 Product Storage And Handling

- A. Deliver materials in manufacturer's original unopened containers bearing manufacturer's original label.
- B. Store and handle products in a manner ensuring no possibility of contamination.
- C. Store Materials at a minimum of 50°F prior to use.

1.05 Job Condition

- A. Environmental Requirements
 - 1. Do not begin work if rain is expected within 24 hours of application. Do not apply if weather does not permit complete cure prior to rain, fog, or ambient air temperatures falling below 50°F.
 - 2. All surfaces shall be clean, dry and structurally sound.

1.06 Protection And Coordination

- A. Owner will occupy the premises during the entire period of the roof resurfacing. Cooperate with Owner during the construction operations to facilitate continued use of the facility.
- B. Coordinate scheduling with the Owner in order to relocate or protect vehicles, building occupants and building contents from damage during the construction operations.

1.07 Warranty

- A. Contact Roof Guardian Technologies for details on 5 and 10-year warranties.
- B. All warranted jobs require the participation of an agent of RGT.

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PART 2 – PRODUCTS

2.01 Materials

- A. Surfacing – RG-15 No Slope Resurfacing Membrane
- B. Reflective Surfacing
 - 1. Roofing granules or gravel
- C. Miscellaneous Products
 - 1. RG-11 Asphalt Primer
 - 2. RG-12 No Stain Primer
 - 3. RG-13 Coal Tar Primer
 - 4. UT-40 Universal Tape®

PART 3 – APPLICATION

3.01 General

- A. RGT's General Requirements and Product Data are a part of this specification.

3.02 Examination

- A. Inspect existing roof and advise Owner's Representative of any corrections required before proceeding with roofing.

3.03 Preparation

- A. Any necessary repairs or replacement of deck and/or insulation must be completed.
- B. Remove any loose gravel.
- C. Blow-off roof with high-pressure air.
- D. Any repairs to the membrane, flashings, penetrations, etc., as determined through inspection, must be completed before coating is applied.

Note: If a structurally sound, well-sealed and watertight membrane is not in place, the roof is not acceptable to receive the coating system. It may be necessary to core the roof or have infrared scan to determine if moisture is present.

- 1. Tighten or re-secure all flashings and assure all termination bars and reglets are properly caulked.
- 2. Repair loose, open seams, holes, and splits with UT-40 Universal Tape®.
- 3. To seal and reinforce areas around penetrations including vents, stacks, fans as well as curbs and drains, use UT-40 Tape.
- 4. Perimeter metal drip edges must be secure and reinforced with UT-40 Tape after spudding back gravel. Minimum 6" tape application over BUR to Metal transition.

3.04 Installation Requirements

- A. **Existing Gravel Surfaced Roof** – Depending on the condition of the existing roof, it may be necessary to apply RG-11 Asphalt Primer or RG-13 Coal Tar Primer. Contact your RGT representative for more information. Apply RG-15 No Slope Resurfacing Membrane using a brush or roofing spray equipment (spray tip size .21-.27) at the rate of:
 - 1. Gravel - minimum 5 gallons/100 sq.ft first coat and 2 to 3 gallons/100 sq.ft on the second coat. Embed gravel while second coat is still wet.
 - 2. White Granules - minimum 5 gallons/100 sq.ft first coat and 2 gallons/100 sq.ft on the second coat. Embed white granules while second coat is still wet.
- B. **Existing Modified Bitumen and Smooth BUR surfaces** – Depending on the condition of the existing roof, it may be necessary to apply RG-11 Asphalt Primer or RG-13 Coal Tar Primer. Contact your RGT representative for more information. Apply RG-15 No Slope Resurfacing Membrane using a brush or roofing spray equipment (spray tip size .21-.27) at the rate of:
 - 1. Gravel - minimum 3 gallons/100 sq.ft first coat and 1 to 2 gallons/100 sq.ft on the second coat. Embed gravel while second coat is still wet.

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2. White Granules - minimum 3 gallons/100 sq.ft first coat and 2 gallons/100 sq.ft on the second coat. Embed white granules while second coat is still wet.

C. Clean up

RG-12 equipment can be cleaned immediately after use with water.

RG-11, RG-13, RG-15 clean equipment with mineral spirits or approved aromatic solvent.

3.04. Job Completion

A. Inspect completed application and correct any defects.

A. Manufacturer's representative may inspect the completed roofing system and notify the Contractor of any defects in the application.

B. Clean up all debris, excess materials, and equipment and remove from site.

C. Restrict traffic to only essential personnel. Provide appropriate protection against traffic and construction activities on completed roofs.

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