



# ROOFGUARD

## ACRYLIC ELASTOMERIC COATINGS

### Recommended Application Procedure for Elastomeric Roof Coating System Over SPF ROOFS

#### 1. PREPARATION

- a. All surfaces to be coated must be clean, sound, dry and free of any dirt, grease, oil, debris or other contaminants which would interfere with proper adhesion. Pay particular attention to the low areas on the roof, where more contaminants may have settled. Loose coating should be removed prior to application of coating. Any wet areas must be removed and/or dried out prior to application of coating.
- b. Exposed SPF areas that are small must be brushed with a stiff bristle broom to remove the degraded SPF prior to caulking with ELASTOGUARD ACRYLIC MASTIC and coating.
- c. Caulk or fill all cracks, holes or other surface imperfections with a high quality elastomeric caulk or sealant designed for roofing applications, such as ELASTOGUARD ACRYLIC MASTIC. All caulk or sealant must be thoroughly dry before application of coating. NOTE: Silicone sealants are not compatible with acrylic coatings.
- d. Start repair of large damaged and deteriorated areas by removing existing coating and SPF down to dry, good quality SPF. This requires close observation to insure that the removal operation is extended both horizontally and vertically to the point where all wet, contaminated, and deteriorated SPF has been removed. The damaged SPF must be removed by mechanical scarifying equipment to a minimum depth of ½ "or until good SPF is determined, whichever is greater. Removal of SPF by hand is not acceptable. These areas shall receive an extra two coats of **ROOFGUARD #751** before coating the entire roof. Large or deep areas of foam removal may require the application of additional foam prior to coating. Apply a minimum of ½" new SPF. Do not remove an area larger than can be re-foamed and base coated in the same day.

#### 2. APPLICATION

- a. This specification does not extensively outline procedures for preparation and finishing of drains, vents, ducts, flashings, parapet walls, etc. This work should be outlined by the contractor before work commences, and shall be performed observing normal trade practices. In most cases the self-flashing attributes of the foam will be utilized without the need for additional flashing materials. In any case, the foam should never be applied in a manner that traps moisture or forces moisture to migrate underneath the system.

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Recommended Application Procedure for  
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**SPF ROOFS**

- 3. 5 YEAR STANDARD WARRANTY APPLICATION** (NO CHARGE FOR MATERIAL ONLY WARRANTIES) **(27 mils)**
- a. Any areas of bare foam should receive two coats of ROOFGUARD #751 prior to coating the entire roof.
  - b. After thorough preparation of the existing surface, the entire roof shall receive two separate coats of ROOFGUARD #751.
  - c. The first coat of ROOFGUARD #751 should be evenly applied at the rate of 1.5 gallons per 100 square feet by spray or roller. If spraying, backroll the first coat. Apply enough pressure on the roller to work the coating into all the rough areas of foam.
  - d. Allow the first coat to dry thoroughly, approximately 4 to 12 hours, prior to the application of the second coat.
  - e. The second coat of ROOFGUARD #751 should be evenly applied at the rate of 1.5 gallons per 100 square feet by spray or roller. The final total dry mils will be 27 mils.
  - f. Heavy puddles of coating should not be left on the roof. All coating should be distributed evenly at the specified rates of coverage.
  - g. The recommended rate of coverage assumes that at least 10 mils of coating already exist on the roof. If less than 10 mils exist, another coat of ROOFGUARD #751 should be applied at the rate of 1 gallon per 100 square feet.
  - h. CLEAN-UP: ROOFGUARD is water based for ease of application and clean-up. Cleaning of hands and tools should be done immediately following application, using warm or hot soapy water.

**10 Year Material Only Warranty** **(36 mils)**

1. Apply ROOFGUARD BASE GRAY at a rate of 2 gallons per square
2. Over the BASE GRAY apply 2 coats of ROOFGUARD BRILLIANT WHITE, IR COLORS or custom color at a rate of 1 gallon per square
3. Clean up

**15-Year Material Only Warranty** **(45 mils)**

1. Apply ROOFGUARD BASE GRAY at a rate of 2 gallons per square
2. Over the BASE GRAY apply two separate coats of ROOFGUARD BRILLIANT WHITE, IR COLORS or custom color at a rate of 1.5 gallons per square
3. Clean up

**20-Year Material Only Warranty** **(54 mils)**

1. Apply ROOFGUARD BASE GRAY at a rate of 3 gallons per square
2. Over the BASE GRAY apply two separate coats of ROOFGUARD White, IR COLORS or custom color at a rate of 1.5 gallons per square
3. Clean up

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**3. GENERAL**

- A. These recommendations are for maintenance of an existing coating system and not intended for correction of badly deteriorated roofing systems that may need replacement.
- B. These recommendations assume that the foam system is sound, well adhered and is not saturated or leaking in any areas.
- C. These minimum recommendations for material usage are for ideal conditions. The number of gallons per 100 square feet may need to increase due to uneven application, rough surface texture, wind conditions while spraying and/or other variables.
- D. Wet insulation must be thoroughly evaluated and then addressed with removal or other measures. Consult a TRESKO PAINT MFG. CO., INC., TECHNICAL CONSULTANT regarding the need for moisture surveys and other assessments.
- E. Structural cracks should be referred to the appropriate TRESKO PAINT MFG. CO., INC., TECHNICAL CONSULTANT.
- F. This installation guide specification assumes that the deck, if plywood, has no dry rot, and is in sound condition, or has been repaired.
- G. Do not apply materials unless surface to receive acrylic roofing system is clean, dry and prepared as specified.
- H. Install all material in strict accordance with all published safety, weather, or applicable regulations of the manufacturer and/or local, state, and/or federal agencies which have jurisdiction.
- I. The entire system shall be fully adhered to the surface on which it is applied. Voids left under the system by creating bridges are not acceptable.
- J. Do not proceed with application of coating or sealing materials when temperature is less than 60°F. No coating system shall be applied if weather will not permit it to dry prior to exposure to precipitation or freezing. Dry time is 24 to 48 hours when coating is applied in the morning when temperature is 60 degrees and rising but could be longer depending on temperature and humidity.
- K. Heavy puddles of coating on the roof are not acceptable.
- L. Instructions for use of all roofing materials and application equipment should be read and followed at all times.
- M. As a general principle, if possible prevent the ponding of water, install additional drains as necessary or install drainage systems with sprayed polyurethane foam (SPF).

**4. MATERIALS**

- a. The following materials listed in these recommendations are available from TRESKO Paint Manufacturing Company:
  - 1. **ELASTOGUARD #756** acrylic mastic
  - 2. **FORTIFABRIC** polyester fabric, 4", 6", 12", 20" and 40"
  - 3. **ROOFPREP #754** acrylic primer
  - 4. **ROOFGUARD #751 BASE GRAY, BRILLIANT WHITE** and **IR** color coatings

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