



ROOFGUARD

ACRYLIC ELASTOMERIC COATINGS

Recommended Application Procedure for Reinforced Elastomeric Roof Coating System Over **BUILT-UP GRAVEL ROOFS-VACUUMED**

1. PREPARATION

- a. The built-up roof must be at least six months old prior to coating.
- b. The entire roof shall be vacuumed to remove all loose gravel. After the first pass of vacuuming a second pass will be made with a power washing vacuuming head. This pass will remove all traces of dirt and dust from the roof surface with the use of high pressure water and high pressure vacuuming.
- c. Any wet areas of roofing must be removed. After drying, replace these areas with similar roofing materials, building it up to the height of the surrounding area. After the removed area is completely replaced and sealed around the edges with neoprene flashing cement as approved by coating manufacturer, all newly applied rolled roofing that is still exposed shall be coated with ROOFPREP #754. Once the ROOFPREP #754 is dried all the sealed edges shall be coated with ROOFGUARD and polyester fabric as is described in section 1, paragraph "d" of these recommendations.
- d. Fill all cracks, voids, holes or other surface imperfections with ELASTOGUARD acrylic mastic, 4" wide, or wider, polyester fabric shall then be embedded in the wet ELASTOGUARD, with a second coat of ELASTOGUARD being applied on top of the fabric, at a total rate of 1 gallon per 33 lineal feet for 4" fabric, 22 lineal feet for 6" fabric and 15 lineal feet for 9" fabric. Both the first and second coats of ROOFGUARD shall extend beyond the edges of the polyester fabric.
- e. All alligatored flashing areas shall be sealed with ELASTOGUARD and polyester fabric as described in section 1, paragraph "d" of these recommendations.
- f. All large blisters shall be cut out, allowed to dry out and then filled with ELASTOGUARD and polyester fabric as described in section 1, paragraph "d" of these specifications.
- g. Reseal around all air conditioning units and detail areas as needed, with ELASTOGUARD and polyester fabric as specified above.
- h. All loose seams of existing gravel roof system shall be tacked down with square head simplex roofing nails and sealed with ELASTOGUARD and polyester fabric as described in section 1, paragraph "d" of these recommendations.

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- i. To prevent the deep ponding of water, the entire deck must be well sloped into drains. Design proper slope for drainage if necessary, or install new drains where necessary.
- j. In valley areas of a sawtooth roof, apply black asphalt emulsion at the rate of 15 gallons per square, approximately 46" wide. Then immediately embed 40" wide FORTIFABRIC polyester fabric into the wet coating, with a second coat of black asphalt emulsion being immediately applied on top of the fabric at the rate of 2 gallons per square. Both the first and second coats shall extend beyond the edges of the polyester fabric. If the valley area is wider than 34", apply two widths of fabric, overlapping them in the middle so that the coating and fabric extend at least three inches up the incline from the valley.
- k. Allow coating to dry thoroughly, (normally 6-24 hours), before proceeding to application of the coating system as described in section II of these recommendations.
- l. Major structural cracks spanning the length or width of the roof should be brought to the attention of the Tresco Paint Company representative for specific recommendations.

2. APPLICATION

- a. The entire roof shall receive the ROOFGUARD roof recover system as follows:
- b. Apply black asphalt emulsion approximately 46" wide at the rate of 15 gallons per square. Immediately embed 40" wide FORTIFABRIC polyester fabric into the wet coating. Using a roofing broom, apply light even pressure to the surface of the fabric to ensure good saturation of the fabric by the coating, gently working out any wrinkles at the same time.
- c. Continue application, overlapping each 40" strip by 3" each time until the entire deck is covered. This ROOFGUARD roof recover system shall extend up any parapet walls high enough so that the edges can be overlapped by a metal cap flashing. Where there is no parapet wall, the system shall be brought to the edges and wrapped over the metal edge by 2". Allow coating to dry, (normally 6-24 — hours), before proceeding.
- d. At roof edges where there is no parapet wall and no metal edge, install a new metal edge flashing on top of the ROOFGUARD roof recover system, overlapping all edges of the coating and fabric system. Set the flange of the edge metal into ELASTOGUARD acrylic mastic. The metal edge will be nailed every 8" and will be overlapped at the ends a minimum of 2".
- e. After the entire roof surface, wall surface and equipment curb surfaces have been covered with the emulsion base coat and polyester fabric and allowed to cure, a primer coat of ROOFGUARD ROOFPREP acrylic primer will be applied to all roof and flashing surfaces at a rate of 1 gallon per 100 sqft.

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f. Install metal cap flashing at the top of any parapet walls, overlapping all edges of the ROOFGUARD roof recover system. If no metal coping caps are available a three-course application of ELASTOGUARD acrylic mastic and polyester fabric will be installed over the entire length of the parapet walls completely sealing and reinforcing the wall top.

g. Once all of the detail work is completed and the wall tops are detailed the following are the warranted application rates:

5-Year Warranty (24 mils)

- 1. Apply 2 coats of ROOFGUARD White, IR COLORS or custom color at a rate of 1 gallon per square
- 2. Clean up

10-Year Warranty (33 mils)

- 1. Over the ROOFPREP apply 2 coats of ROOFGUARD White, IR COLORS or custom color at a rate of 1.5 gallons per square
- 2. Clean up

15-Year Warranty (42 mils)

- 1. Apply ROOFGUARD BASE GRAY at a rate of 1 gallon per square
- 2. Over the BASE GRAY apply two separate coats of ROOFGUARD White, IR COLORS or custom color at a rate of 1½ gallons per square
- 3. Clean up

20-Year Warranty (51 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 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 assume that the deck, if plywood, has no rotting, and is in good, sound condition.
- b. The entire system shall be fully adhered to the surface it is applied to. Voids left under the system by creating bridges are not acceptable.
- c. Do not proceed with application of coating materials when surface temperature is less than 60°F.
- d. Install all materials 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.
- e. No coating 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.
- f. Heavy puddles of coating on the roof are not acceptable.
- g. Recommended equipment for spraying are the following Graco pumps: GH 733 or King 45:1. Use a Reverse-a-clean tip with a minimum tip size of .033 up to about .085., Titan flat tips can also be used - #10, #15 and #20 tips are recommended with a 60° fan width.
- h. Instructions for use of all roofing materials and application equipment should be read and followed at all times.

4. MATERIALS

- a. The following materials listed in these recommendations are available from
TRESKO PAINT MANUFACTURING COMPANY INC.:
 1. **ELASTOGUARD #756** acrylic mastic
 2. **ROOFPREP #754** primer
 3. **FORTIFABRIC** polyester fabric various sizes
 4. **ROOFGUARD #751 BASE GRAY, WHITE and IR** color coatings.

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