



#911 ETERNALASTIC RESTORATION SYSTEM

10 YEAR
WARRANTY*

EMULSION - POLYESTER - EMULSION – POLYESTER - ETERNALASTIC FOR APPLICATION OVER PREPARED GRAVEL

PART 1 – GENERAL

1.01 GENERAL

- A. This document provides specifications for the application of product to roofing surface. This specification should be used only as a general guide, with the addition of specific details as different job conditions warrant.

1.02 DESCRIPTION OF WORK

- A. Extent of the work to be performed is indicated on required drawings and details for the specific job. These tools include roofing, flashing, and reinforcing of any existing area with Tropical Roofing Products. Final determination of the fitness of the application of any Tropical product shall not be made by anyone other than an authorized representative of Tropical Roofing Products.

1.03 QUALITY ASSURANCE

A. Applicator Qualifications

- 1) Applicator shall have general knowledge and general understanding of roofing as well as all Tropical Roofing products for any given specified project.
- 2) For all warranties, a firm, which has complete business stability, shall perform the work in this section.

1.04 PRELIMINARY ROOFING CONFERENCE

- A. A meeting between the building owner/architect, the installer, and a Tropical Roofing Products representative must take place. Review of all documents, drawings, and applicable details should occur. As well, there must be an inspection of the roof to agree on any discrepancies. All issues concerning the roof must be resolved in writing.

1.05 SUBMITTALS

- A. In the normal course of bidding, descriptive literature, technical data, and wet or dry samples of all materials proposed for use under this specification shall be submitted upon request.

1.06 JOB CONDITIONS

- A. To proceed with proper conditions, the applicator must be aware of the following:
- 1) UV curing time for all products is critical. Applicator must allow for sufficient cure time for each product. Please be aware that outside temperatures will be a factor.
 - 2) Do not begin work if rain or heavy dew is expected within twenty-four to forty-eight (24-48) hours of application.
 - 3) Do not begin work if temperatures are expected to fall below 45 degrees Fahrenheit during the duration of the job.
 - 4) Other environmental conditions such as humidity, mist, dew, extreme temperatures, and condensation can affect products in an inconsistent way.

1.07 PRODUCT STORAGE AND HANDLING

- A. All products should be stored in a warm, dry, clean, well-ventilated area. Store above 45 degrees Fahrenheit at all times.

PART 2 – PRODUCTS

2.01 MATERIALS

- A. Resurfacing- Tropical Roofing Products #360 Non-Fibered Emulsion Roof Coating - Tropical Roofing Products #360 Non-Fibered Emulsion is a water-based roof coating. Tropical's #360 is a solvent free, all-purpose coating ideal for use as a surface coating and for sealing built up roofs. It is ideal for flood coating old cracked and leaky roofs. This product forms a tough durable weathering film that acts as a shield against the elements.
- 1) Coverage rate for Tropical Roofing Products #360 is 8 gallons per 100 square feet.
- B. Polyester Reinforcement Fabric (40" X 300' Roll) – apply two layers of polyester reinforcement fabric (one in the resurfacing layer, one in the cover coat). Embed the polyester fabric in the wet #360 emulsion.
- C. Cover Coat – apply uniformly #360 Non-Fibered Emulsion Roof Coating
- 1) Coverage rate for Tropical Roofing Products #360 is 8 gallons per 100 square feet.
- D. Reflective Surfacing- Tropical Roofing Products #911 ETERNALASTIC White Elastomeric 100% Acrylic Elastomeric Roof Coating (Energy Star Approved, California Title 24 compliant, CRRC rated, Dade County Approved)
- 1) Coverage rate for Tropical Roofing Products #911 Eternalastic is a total of 3 gallons per 100 square feet, which must be applied evenly in two coats (1.5 gallons grey base coat, 1.5 gallons white top coat) with the second coat being applied perpendicular from the first – in the 'cross hatch' manner.

PART 3 – APPLICATION INSTRUCTIONS

3.01 ROOF PREPARATION

- A. Spud roof and remove all gravel from roof surface. Surface then shall be swept clean of all debris and power washed before making repairs.
- B. Surface to be repaired or coated must be clean, dry and free of dust, dirt, grease, wax, or other incompatible substances.
- C. Existing substrate must be securely attached.
- D. All necessary repairs shall be made to the existing roof according to NRCA (National Roofing Contractors Association) guidelines.

3.02 APPLICATION

- A. Apply Tropical Roofing Products #360 uniformly at the rate of 8 gallons per 100 square feet. The texture and porosity of the existing roof may affect the coverage rate.
- B. Apply a layer of polyester fabric and embed the fabric in the wet #360 emulsion. Allow this to cure 24-48 hours before proceeding with any further product applications.
- C. Apply another layer of Tropical Roofing Products #360 uniformly to the entire roof surface at the rate of 8 gallons per 100 square feet.
- D. Apply a second layer of polyester fabric and embed the fabric in the wet #360 emulsion. Allow this to completely cure, for a minimum of 4-7 days, dependent upon climate conditions before proceeding with any further product applications.
- E. Apply Tropical Roofing Products #911 ETERNALASTIC White Elastomeric 100% Acrylic Elastomeric Roof Coating at the rate of 3 gallons per 100 square feet, which must be applied evenly in two coats, (1.5 gallons grey base coat, 1.5 gallons white top coat) with the second coat being applied perpendicular from the first – in the ‘cross hatch’ manner.
- F. The applicator shall repair and/or replace any defective work found at the end of the job, before any warranties will be issued.

PART 4 – WARRANTY*

4.01 WARRANTY

- A. This system is eligible for a TEN-YEAR LIMITED WARRANTY

PART 5 – CARE AND MAINTENANCE

5.01 CARE AND MAINTENANCE PROGRAM

In order to ensure that your Tropical Roofing Products roof coating will continue to perform to its fullest, you should follow, implement and satisfy this Care and Maintenance program.

- A. Maintain a file for all records relating to this roof, including the Tropical Roofing Products agreements, reports, invoices, repair and maintenance bills, original drawings and specifications, etc.
- B. Inspect the roof and coating at least twice each year, typically in the spring and fall. The most common areas of damage or distress are at drainage points, penetrations, perimeter flashings and in traffic areas.
- C. Pressure wash the coating as needed (and not less often than once every 18 months) in order to remove all dirt and debris on the surface. Wash using clean water with appropriate pressure and pressure washing equipment. Surface should be maintained in clean white condition. Do not use anything but clean water unless directed by Tropical Roofing Products and in such case, use only approved wash products.
- D. Inspect for damage from the elements after severe weather conditions, such as hailstorms, heavy rains, high winds, etc.
- E. Arrange for prompt repairs necessary to correct non-guaranteed conditions affecting the roof surface. Repairs to the surface must be promptly performed by Tropical Roofing Products approved contractors with approved products and repair methods that are consistent with the type and quality of the warranted coating so that such repairs will last as long as the Tropical Roofing Products coating.
- F. Regularly remove any debris, such as leaves, branches, dirt, rocks, bottles, refuse, that may accumulate on the roof surface. Clean gutters, downspouts, scuppers, and surrounding roof areas to ensure proper drainage.
- G. Examine all metal flashings, counterflashings, expansion joints and pitch pockets for rust, detachment, deteriorated sealant, and damage. Reattach loose metalwork. Replace sealant as necessary. Prepare and paint rusted surfaces.
- H. Examine masonry walls and copings for cracks, bad mortar joints, deteriorated sealant, loose masonry/coping stones, and indications of water absorption. Repair all such conditions to prevent water infiltration.
- I. Examine rooftop equipment such as air conditioners, ductwork, gooseneck vents, powered ventilators, evaporative coolers, antennas, equipment screens, skylights, satellite dishes, etc. for excessive movement, spillage of coolant, condensation, oil, grease, water/liquid release, etc., and damage to sheet metal cabinets and rubber or fabric gaskets that may allow water infiltration. Employ, keep and maintain drainage systems for release of water, etc. from rooftop equipment to avoid surface water buildup. Keep all roof top equipment in good condition.
- J. Regularly examine for any cracks, blistering, or flaking. Promptly contact Tropical Roofing Products regarding any such cracks, blistering or flaking and recoat/patch any such areas with approved Tropical products.
- K. Minimize rooftop traffic. Establish paths which confine roof traffic to designated areas only. Service personnel should take care to avoid dropping tools, equipment, parts, etc. on the roof surface. Service personnel should not make any penetrations of or repairs to the coating. All work affecting the coating must be performed by an approved Tropical Roofing Products contractor.

This Tropical Roofing Products Care and Maintenance information is intended to address conditions commonly found on buildings. Other conditions may exist that require special maintenance considerations. It is the responsibility of the Building Owner to ensure that the care and maintenance program followed for a particular building is adequate, given that building's specific conditions.