



# Cold Process Roofing Specifications

SPECIFICATION: AM1-MF-PE-252

## Fiberglass and Polyester Reinforced Emulsion Roof System with White Acrylic Coating

### Approvals

ASTM, UL, CRRC, Energy Star, Title 24, Metro-Dade



### General

APOC Specification AM1-MF-PE-252 is a highly reflective Cool Roof Restoration System that is designed to provide an energy efficient, waterproof membrane over existing roof surfaces. This system is intended for older roof surfaces that have become weathered yet have maintained their structural integrity. The application of this high performance, polyester and fiberglass reinforced system can drastically reduce roof top temperatures, lower cooling demand by up to 50%, increase the life expectancy of existing HVAC systems and provide a sustainable roof membrane with extendable warranties. This seamless restoration system is ideal for use over existing builtup roof systems (hot & cold applied) and modified bitumen roof membrane systems (APP and SBS membranes). The contractor or consultant is responsible for the roof deck inspection and integrity of substrate. All damaged areas, including dry rot, water damage, wet insulation, etc., shall be repaired in accordance with NRCA standards and / or local building codes. Roof must maintain positive drainage and should not retain ponding areas as defined by the NRCA. All general instructions from current APOC Roofing Systems Manual, Product Data Sheets, Job Specific Pull Sheets, and Master Specification are included as part of this specification.

### Surface Preparation

All roof surfaces shall be completely cleaned, power washed and allowed to dry prior to system application.

### Flashings & Repairs

All repairs and flashings shall be three coursed using APOC #501 Neoprene Flashing Cement and Yellow Jacket Fiberglass Reinforcement or APOC #260 White Elastomeric Roof Patch and Polyester Reinforcement. All platforms and metal joints in edging, coping, etc., shall be primed and sealed with a 6" layer of #567 Pro-Tack. All valleys and waterways shall receive a layer of polyester set in APOC #337 Modified Emulsion. Polyester shall be embedded in APOC #337 at the rate of 4 gallons per square. Some areas may require the use of APOC #103 Asphalt Primer to ensure proper adhesion. Flashing Details can be found in the APOC Roofing Systems Manual.

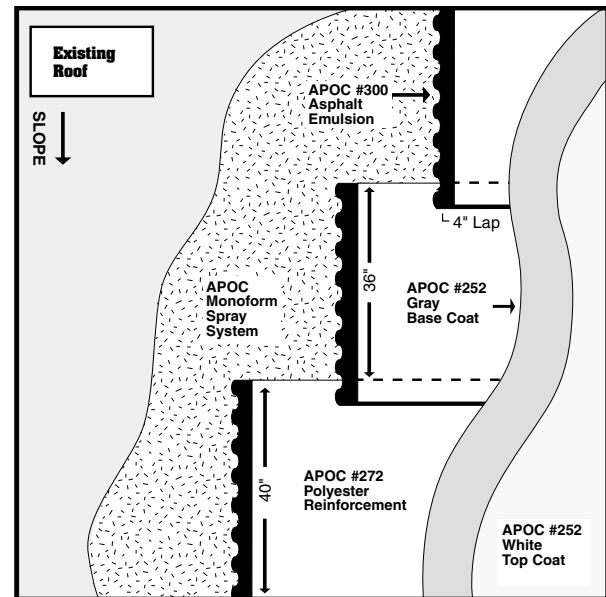
### Monoform Surfacing

Monoform spray system shall be applied at the rate of 9 gallons of APOC #300 Asphalt Emulsion and 3 lbs. of chopped fiberglass per square. Application shall be to entire roof including any parapet walls and shall be applied with special Monoform spray rig. Monoform surfacing shall be allowed to cure 24-48 hours prior to proceeding with polyester application.

### Roofing Membrane

Embed a layer of polyester ply sheet in 4 gallons of APOC #300 Asphalt Emulsion starting at the lowest point on the roof and working up the slope of the roof. Broom polyester into emulsion eliminating any blisters, wrinkles and folds.

### FOR USE OVER EXISTING ROOF SURFACES



### Materials (per 100 sq. ft.)

ITEM/DESCRIPTION	WEIGHT
<b>Monoform:</b>	
APOC #300 Asphalt Emulsion @ 9 gallons	39 lbs.
APOC Chopped Fiberglass @ 3 lbs.	3 lbs.
<b>Emulsion:</b>	
APOC #300 Asphalt Emulsion @ 4 gallons	18 lbs.
<b>Interply:</b>	
1 layers of Polyester Mat	3 lbs.
<b>Coating:</b>	
APOC #252 Acrylic Elastomeric @ 3 gallons	22 lbs.
<b>Approximate Dry Weight</b>	<b>85 lbs.</b>

Polyester shall be overlapped a minimum of 4" on side laps and 6" on end laps. Ensure there is an adequate amount of #300 Asphalt Emulsion completely sealing all seams and that there are no fishmouths. Allow #300 and polyester to cure a minimum of 24 hours prior to application of reflective coating.

### Coating

APOC coating shall be spray applied over entire roof surface including flashings, vents and ductwork. Coating shall be applied directly to polyester reinforcement. APOC #252 shall be applied in two uniform coats at 1 1/2 gallons per square, per coat. Apply first coat using APOC #252 Gray Elastomeric Base Coat spraying in a cross hatch pattern ensuring smooth and continuous film over the surface. Apply second coat using APOC #252 Sunwhite Elastomeric spraying material perpendicular to first coat. Allow a minimum of 4 hours between coats depending on drying conditions. Two coats must be applied for a total coverage rate of 3 gallons per square.