



Cold Process Roofing Specifications

SPECIFICATION: AM1-PE-MF-400

Polyester and Fiberglass Reinforced Emulsion Roof System with Aluminum Coating

Approvals

ASTM, UL

General

APOC Specification AM1-PE-MF-400 is a Reflective Roof Restoration System that is designed to provide an energy efficient, waterproof membrane over existing roof surfaces. This system is intended for roof surfaces that have become weathered yet are in fair shape and have maintained structural integrity. The application of this system can reduce roof top temperatures, lower cooling demand by up to 30%, increase the life expectancy of existing HVAC systems and provide a sustainable roof membrane with extendable warranties. This polyester and fiberglass reinforced restoration system is ideal for use over existing built up roof systems (hot and cold applied) and modified bitumen roof membrane systems (SBS and APP membranes). The contractor or consultant is responsible for the roof deck inspection and integrity of substrate. All damaged areas, including but not limited to 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.

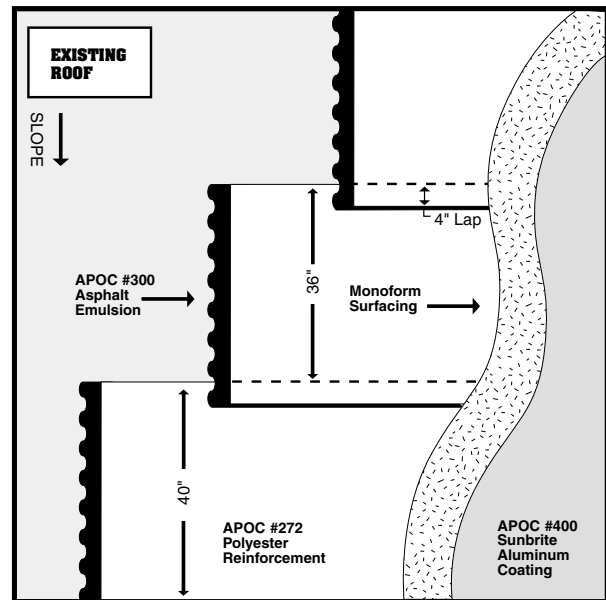
Flashings & Repairs

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.

Roofing Membrane

Install polyester ply sheet set 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 base coating eliminating any blisters, wrinkles, folds, etc. Each layer of 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 to completely seal all seams and that no fishmouths are created. End laps shall be staggered and offset a minimum of 3'. Polyester and #300 Asphalt Emulsion should be allowed to cure a minimum of 24 to 48 hours depending on drying conditions

FOR USE OVER EXISTING ROOF SURFACES



Materials (per 100 sq. ft.)

ITEM/DESCRIPTION	WEIGHT
Emulsion:	
APOC #300 Asphalt Emulsion @ 4 gallons	18 lbs.
Interply:	
1 layers of Polyester Mat	3 lbs.
Monoform:	
APOC #300 Asphalt Emulsion @ 9 gallons	39 lbs.
APOC Chopped Fiberglass @ 3 lbs.	3 lbs.
Coating:	
APOC #400 Sunbrite Aluminum @ 1.5 gallons	6 lbs.
Approximate Dry Weight	69 lbs.

Monoform Surfacing

Monoform spray surfacing shall be applied at the rate of 9 gallons of APOC #300 emulsion and 3 lbs. of chopped fiberglass per square. Monoform spray surfacing must be applied in a smooth and consistent pattern ensuring proper coverage (9 gallons and 3 lbs.) over all surfaces. 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 48 hours prior to application of reflective coating.

Coating

APOC #400 Sunbrite Aluminum shall be applied at the rate of 1 1/2 gallons per square. Apply APOC #400 in a cross hatch pattern ensuring smooth and continuous film over the surface.