

Sunwhite Cool Elastomeric Coating System Existing BUR and Modified Membrane

Approvals

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



General

APOC Specification AM-ES-252 is a highly reflective Elastomeric Coating specification designed to provide a "Cool" energy efficient surfacing layer over existing roof membranes. This "Cool Surfacing" provides a reflective shield and sunblock that can drastically reduce rooftop temperatures, lower cooling demand by up to 50%, increase the life expectancy of existing HVAC systems and provide a sustainable roof membrane. This 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). This specification is not a new roof system and is intended for application to substrates in good condition. 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

Roof shall be completely cleaned prior to system application. Surface shall be swept clean of all debris and power washed. Worn roofs should be coated with #300 Emulsion or #337 Modified Emulsion prior to coating.

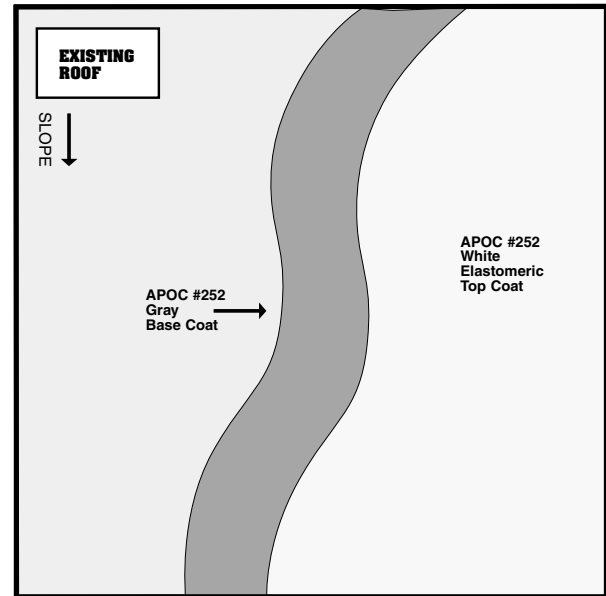
Flashings & Repairs

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.

Reflective Coating

APOC coating shall be spray applied over entire roof surface including flashings, vents and ductwork. 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 Top Coat spraying material perpendicular to first coat. Allow a minimum of 4

FOR USE OVER EXISTING ROOF SURFACES



Materials (per 100 sq. ft.)

ITEM/DESCRIPTION	WEIGHT
Primer / Base coat:	
APOC #103, #300 or #337 as needed	n/a
Coating:	
APOC #252 Gray Elastomeric @ 1 1/2 gallons	11 lbs.
Coating:	
APOC #252 White Elastomeric @ 1 1/2 gallons	11 lbs.
Approximate Dry Weight	22 lbs.

hours between coats depending on drying conditions. Two coats must be applied for a minimum coverage rate of 3 gallons per square.