



ARMOR FLEX™

White

Liquid Silicone Roof Membrane



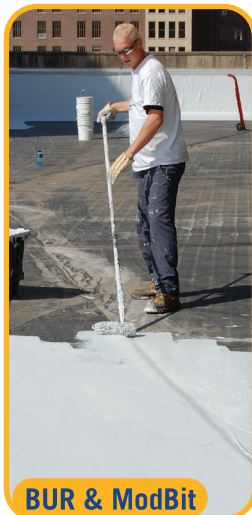
APOC 585 Armor Flex™ White: Superior performance and durability for all types of roof restoration. Providing the ARMOR your roof needs to withstand wind, rain and harmful UV rays. Armor Flex™ White is a moisture cure, high solids, silicone coating ideal for prolonging roof life and reducing heat load on your building.



Single Ply



Metal



BUR & ModBit

- Outperforms and outlasts asphaltic, acrylic and thermoplastic coatings.
- Creates a shield of protection with Pond-Proof™ Technology.
- Engineered with solvent free polymers.
- Minimal impact on the applicator.



Pond-Proof® Technology
Best Protection for Ponding Water
Situations to Help Prevent Premature
Adhesion Failure.





ARMOR FLEX® WHITE LIQUID ROOF MEMBRANE

DATA SHEET

COMPLIANCE: CRRC, Miami-Dade County Product Control Approved, FP&L, Title 24. UL CLASS A RATED File #R11333. NSF Approved for Rainwater Containment Systems.

DESCRIPTION: APOC® 585 Armor Flex™ White is a moisture cure, fluid applied, high solids, silicone coating. Armor Flex™ White creates a shield of protection over your roof with Pond-Proof™ Technology and cutting edge performance. Engineered with “Green” solvent-free polymers, Armor Flex™ White outperforms traditional solvent and solvent-free products including asphaltic, urethane, thermoplastic and other protective coating products. Additionally, Armor Flex™ White has minimal impacts on the applicator or our environment.

Why Armor Flex™ White? Because Armor Flex White Works! Armor Flex White is formulated to help reduce cooling costs, heat gain, carbon emissions and health hazards associated with these emissions. Electricity usage can be reduced and utility bills lowered. When applied according to the instructions, Armor Flex™ White creates a tough, flexible and resilient barrier that helps prevent damage from severe weather; and with proper maintenance, Armor Flex™ White will greatly extend the life of your roof!

PRIMER: An APOC approved bleed blocking primer should be used on applications over asphalt substrates to help limit bleed through or discoloration. Single ply membranes and metal should be field tested to determine if primer is needed.

PREPARATION: All surfaces must be dry and free of dust, dirt, oil, loose materials, peeling paint etc. Rusty metal must be cleaned and primed with APOC rust inhibiting primer. Surfaces with mildew or biological growth must be cleaned with a bleach solution (2 parts water to one part bleach). Clean and pressure wash the roof. A mild detergent with broom is recommended on single ply membranes. Use only a wide fan spray tip or wet vac. Previously coated surfaces must be completely dry and cured. Contact APOC with material type questions. Once dry, prime surface as required. Next, treat all penetrations, drains, flashings, ponding, terminations, curbs, etc., with approved APOC® sealant and or reinforcement as specified by APOC. See APOC website for specifications and details.

NOTE: If surface temperatures become hot (over 180 °F) during application, wait for roof to cool. DO NOT apply to a wet or damp surface.

APPLICATION: For exterior use only. Do not heat over 130 °F, tint or thin. Rain, dew, fog, frost and relative humidity greater than 70% may result in adhesion problems. Protective clothing, gloves and eyewear should be used during application. Application should be completed when air, surface and material temperatures are 40 °F (for 24 hours) but not above 120 °F. Application can take place at colder temperatures (above 32 °F) however, special precautions must be taken to ensure there is NO MOISTURE, DEW or FROST present on the roof. These conditions will create adhesion issues. Apply with a 3/4” nap exterior paint roller (preferably with mill gauge) or long bristle brush. Contact APOC for spray requirements. Apply a uniform coat over entire surface, avoiding excessive rolling. Coverage rate is a minimum of 1 gallon per square (100 square feet) in a one coat application. Coverage rate and application varies depending on roof, warranty & term. For extended warranty information, see published warranty qualifications at www.apoc.com. If multiple coats are used, use a gray tint in the first coat. Additional coats shall be applied between 4 - 24 hours after first coat. If there will be foot traffic on roof after installation (and cured), embed 40 - 60 lbs. of #11 ceramic granules per 100 sq ft into top layer of coating to create a non-skid finish. Surfaces without granules are slippery when damp or wet. Coating dries in 2 - 4 hours and fully cures in 8 - 24 hours at 70 °F and 50% relative humidity at 1 - 2 gallons per square. Thicker films, poor air flow and low humidity will increase dry times. Seal container when not in use. Do not walk on coating until fully cured.

CLEAN-UP: Spray equipment with VM&P or Naptha. Do not leave AP-585 for long periods in hoses, pumps or spray guns.

SHelf LIFE: Up to 12 months depending on storage.

TYPICAL PHYSICAL & PERFORMANCE CHARACTERISTICS:

Solids Weight (ASTM D1644)	98 ± 2%
Solids Volume (ASTM D2697)	98 ± 2%
Density	11.0 lbs/gal
Tensile Strength (ASTM D2370)	275 psi
Elongation (ASTM D2370)	425%
Tear Resistance (ASTM D624)	37
Initial Reflectivity	.90
Initial Emissivity	.90
SRI Value	115 Initial
Permeability (ASTM E96)	4 perms
Water Absorbtion (ASTM D471)	.1% after 2 weeks at 75 °F
Weathering	No degradation after 5000 hrs
Tack Free Time	1 hour
VOC	10 g/L
Durometer Hardness	55 ± 5 pts
Maximum Surface Temp	180 °F
Flash Point	>290 °F
Dry - Recoat	6 hours
Full Cure	72 Hours
Shelf Life	Up to 12 months depending on storage

Approx. Shipping Weights: (Note: All approx. weights include container)

5 gallons (18.9L)	53.5 lbs.
50 gallon drum (208.2L)	540 lbs.

VOC: <10 g/L max.

STORAGE & HANDLING PRECAUTIONS: Protect building inlets from product vapors or fumes. Do not store at temperatures below 35 °F. Keep closed when not in use. When transporting this product, ensure that lid is tight and pail secured. Only transport product in the cargo area of vehicle. Secure with rope or bungee cords over drop cloth. Ponding Water creates excessive weight on roofs which may not structurally support the additional weight. This creates a collapse hazard which can severely hurt or kill people. Always follow NRCA guidelines to remove Ponding Water from roof surfaces.

HANDLING PRECAUTIONS: Product safety information required for safe use is not included. Before handling, read product and safety data sheets and container labels for safe use and for physical and health hazard information. Safety data sheets are available on the APOC website at www.apoc.com. You can also obtain a copy from your local APOC Distributor or APOC sales representative.

WARRANTY AND DISCLAIMER: For limited warranty and disclaimer information, visit our website at: www.apoc.com/productwarrantyinfo.

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