



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 impact 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. Asphalt, single ply membranes and metal should be field adhesion 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 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 and material temperatures are between 40 °F and 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 1.5 - 4 gallons per square (100 square feet) in a one coat application. Coverage varies depending on warranty & term. For extended warranty information, see published warranty qualifications at www.apoc.com. If multiple coats are used, 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 1.5 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. The contents of this container are reactive with moisture in the air. Curing starts immediately upon opening lid or breaking seal. Opened product cannot be returned. Use all contents within one day of opening.

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 18 months depending on storage.

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See SDS for more information

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 Absorbption (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 18 months depending on storage

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

1 gallons (3.4L)	12 lbs.
5 gallons (18.9L)	58 lbs.
55 gallon drum (208.2L)	642 lbs.

VOC: <10 g/L (regulatory)

STORAGE & HANDLING PRECAUTIONS: Product safety information required for safe use is not included on this sheet/label. Before handling, read product safety data sheets 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. During application, always protect building inlets from product vapors and fumes. Finished product is extremely slippery when wet. For roofs with greater than 1/2” in 12 slope, and on roofs without parapets, it is recommended to embed a non-skid additive in the top surface of the coating. Shelf life is 18 months from date of manufacture. Not recommended to store at temperatures exceeding 100 °F. For maximum shelf life store between 40 °F and 70 °F. Higher temperatures will reduce shelf life. Once container is opened, all product should be used. Container cannot be resealed without product skinning or curing inside container. Always keep covered and protected from the elements. 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 a drop cloth. If pail tumbles, leakage may occur. Ponding Water can create excessive weight on roofs. If ponding water exists, contact a structural engineer to ensure the additional weight can be supported by the roof deck and building structure. Ponding water can create a collapse hazard which can severely hurt or kill people. Always follow NRCA guidelines for Ponding Water situations. Do not reuse empty container. Dispose of in an environmentally acceptable manner.

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