



Revised: 5/2016

AP-5200 SILICONE ROOF COATING

PRODUCT DESCRIPTION

ARMOUR PROOF AP-5200 is a one-part silicone elastomeric coating specifically designed for use in roofing applications. Once cured, this liquid applied silicone coating provides a durable, seamless, flexible, waterproof membrane that resists lateral movement, shear and will allow for normal expansion and contraction. **AP-5200** provides greater UV protection than similar coatings and offers increased resistance to moisture penetration. **AP-5200** provides excellent long term protection through exceptional weatherability properties. **AP-5200** was specifically developed as a protective coating for single ply membranes, granulated modified bitumen, metal and sprayed-in-place polyurethane foam roofing. **AP-5200** is also used as a top coat over **AP-5100 Moisture Cure Polyurethane** in membrane restorations. With excellent adhesion to all substrates and exceptional durability, **AP-5200** is proven to provide excellent solar reflectivity, UV protection and long term waterproofing performance.

TECHNICAL DATA

TOTAL SOLIDS BY VOLUME:	67% ASTM 2697
WEIGHT PER GALLON:	9.2 lbs. per gallon
FLASH POINT:	106° F
TENSILE STRENGTH:	500 psi
ELONGATION:	318% Initial
VOC CONTENT:	<250 g/l
ELASTIC RECOVERY:	100% ASTM D-412
PERMEABILITY:	2.1 perms
THERMAL EMITTANCE:	88%
HARDNESS:	55 Shore A
SERVICE TEMPERATURE:	-50° to 200° F
CLEAN UP:	Mineral Spirits
THINNER:	Not Recommended
SHELF LIFE:	6 months @ 40° - 90° F
VISCOSITY:	6,000 ± 1000 cps Brookfield
COLOR:	White
PACKAGING:	5-Gallon Pail

COVERAGE AND DRYING TIME

Apply **AP-5200** at a rate of 1.5 gallons per 100 square feet per gallon per coat, according to the substrate and condition. A minimum of 25 mils DFT is recommended. **AP-5100 Moisture Cure Polyurethane** may be applied as a Primer/Base Coat at a rate of 1.25 gallons per 100 square feet, and then coated with the **AP-5200** Silicone. Skin-Over in 30 minutes, Tack Free in 2 hours, Dry to touch in 6 hours

APPLICATION

ARMOUR PROOF AP-5200 may be applied by medium nap rollers, soft brushes or conventional airless spray equipment. Apply **AP-5200** only to clean, dry, sound surfaces free of loose particles or other foreign matter. For best results, ambient temperature should be between 50-80°F. Higher temperatures will shorten the cure time and working time. Lower temperatures will lengthen the skin over, tack free and ultimate cure time. Sudden temperature declines may also result in dew formation on surfaces, which can prevent adhesion development. For best results, relative humidity should be above 20%. Lower humidity will slow the cure time significantly.

LIMITATIONS AND PRECAUTIONS

AVOID CONTAMINATION IN SEALED CONTAINERS. STORE AWAY FROM HEAT, SOURCES OF IGNITION AND INCOMPATIBLES. USE ONLY IN WELL VENTILATED AREAS. Do not inhale vapor or mist. Do not get on skin, in eyes or on clothing.

WARRANTY

This product will perform as claimed if directions are followed. Armour Proof Coatings cannot control conditions of application and substrate, or methods used. This warranty is limited to replacement or refund value of the defective material used, and does not include labor or labor costs.

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