

# ARMOUR PROOF COATINGS

Revised: 03.01.23

## AP-5200 Silicone Roof Coating

### PRODUCT DESCRIPTION

**Armour Proof AP-5200 Silicone Roof Coating** 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 D2697  
**WEIGHT PER GALLON:** ..... 9.2 lbs. per gallon  
**FLASH POINT:** ..... 106° F  
**TENSILE STRENGTH:** ..... 500 psi  
**ELONGATION:** ..... 318% Initial  
**VOC:** ..... Less than 250 g/l  
**ELASTIC RECOVERY:** ..... 100% ASTM D-412  
**PERMEABILITY:** ..... 2.1 perms  
**THERMAL EMITTANCE:** ..... 88%  
**HARDNESS:** ..... 55 Shore A

**SKINOVER:** ..... 30 Minutes  
**TACK FREE:** ..... 2 Hours  
**CURE TIME:** ..... 6 Hours  
**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, 55 Gallon Drum

### APPLICATION

**AP-5200 Silicone Roof Coating** 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.

### 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. PRODUCT APPLICATION SHOULD BE SUSPENDED IMMEDIATELY AND OUR TECHNICAL SERVICE PERSONNEL CONTACTED IF THE RESULTS BEING OBTAINED ARE LESS THAN DESIRABLE.

### PREPARATION OF SUBSTRATE

Surface must be pressure washed clean, free of all loose particles, dirt debris and other contaminants that could inhibit adhesion. An Armour Proof Primer may be required for the particular substrate. Refer to the Armour Proof Coatings Specification for detailed instructions on how to prepare the specific substrate.

### 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.

**LEARN MORE** → [UnitedAsphalt.com/AP5200](http://UnitedAsphalt.com/AP5200)



### TOOLS NEEDED ▾



### PACKAGING SIZES ▾



### 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 of the defective material used, and does not include labor or labor costs.