



A United Asphalt Company Brand

# AP-5400 HIGH SOLIDS SILICONE ROOF COATING



## PRODUCT DESCRIPTION

**AP-5400 High Solids Silicone Roof Coating** is an exciting, new high yield, low VOC one-part silicone elastomeric roof coating! It was specifically designed as a protective coating over a variety of roofing substrates. 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-5400 High Solids Silicone Roof Coating**, when compared mil for mil, provides greater UV protection than similar silicone coatings and offers increased resistance to moisture penetration. **AP-5400** provides excellent long term protection through exceptional weatherability properties.

## TECHNICAL DATA

|                                     |                   |                                |                                       |
|-------------------------------------|-------------------|--------------------------------|---------------------------------------|
| <b>TOTAL SOLIDS BY VOLUME</b> ..... | 96% ± 2           | <b>THINNER</b> .....           | Not Recommended                       |
| <b>WEIGHT PER GALLON</b> .....      | 10.7 lbs. per gal | <b>CURE TIME</b> .....         | 2–8 Hours                             |
| <b>FLASH POINT</b> .....            | > 290° F          | <b>TACK FREE</b> .....         | 1 Hour                                |
| <b>VISCOSITY</b> .....              | 4800–9000 cPs     | <b>SKINOVER</b> .....          | 30 Minutes                            |
| <b>TENSILE STRENGTH</b> .....       | 325 psi ± 50      | <b>SHELF LIFE</b> .....        | 6 months @ 35°–75° F                  |
| <b>ELONGATION</b> .....             | 249% ± 50         | <b>VOC</b> .....               | Less than 50 g/l                      |
| <b>HARDNESS</b> .....               | 50 ± 5 Shore A    | <b>SOLAR REFLECTANCE</b> ..... | 87%                                   |
| <b>PERMEABILITY</b> .....           | 4.2 perms         | <b>THERMAL EMITTANCE</b> ..... | 89%                                   |
| <b>SERVICE TEMPERATURE</b> .....    | -50° to 200° F    | <b>COLOR</b> .....             | White ○                               |
| <b>CLEAN UP</b> .....               | Solvent           | <b>PACKAGING</b> .....         | 5 Gal Pail, 55 Gal Drum, 275 Gal Tote |
| <b>ASTM</b> .....                   | D2697             |                                |                                       |

## APPLICATION

**AP-5400 High Solids Silicone Roof Coating** may be applied by medium nap rollers, soft brushes or high pressure airless spray equipment. Apply **AP-5400** only to clean, dry, sound surfaces free of loose particles or other foreign matter. For best results, ambient temperature should be between 50–90°F. Higher temperatures will shorten the cure and working times for proper application of granules before the material has skinned. Lower temperatures will lengthen the skinover, 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. **For Airless Spray Application:** Minimum pump pressure 3000 psi, **Tip Size:** .027"–.039" (.031" recommended). **Hose:** Use 3/8" up to 100', from 100' to 200' use 1/2" or larger

## COVERAGE AND DRYING TIME

Apply **AP-5400** at the rate of 1.25 gallons per 100 sq. ft. Minimum dry mil thickness shall be above 20 mils. Two passes of silicone and a primer coat may be required for some applications and warranty programs. **PRODUCT APPLICATION SHOULD BE SUSPENDED IMMEDIATELY AND OUR TECHNICAL SERVICE PERSONNEL CONTACTED IF THE RESULTS BEING OBTAINED ARE LESS THAN DESIRABLE.** Refer to the Armour Proof Coatings Specification for detailed instructions.

## 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 and sources of ignition. Do not inhale vapor or mist; do not get on skin, in eyes or on clothing. Refer to SDS for more information.

## WARRANTY

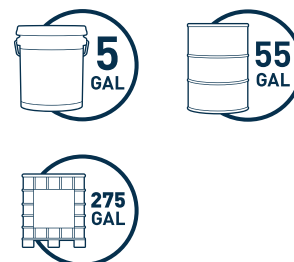
This product will perform as claimed if directions are followed. Armour Proof Coatings cannot control conditions of application and substrate, or methods used. This warranty is limited to replacement of the defective material used, and does not include labor or labor costs.



## TOOLS NEEDED ▾



## PACKAGING SIZES ▾



**LEARN MORE** ➔ [armourproofcoatings.com/AP5400](http://armourproofcoatings.com/AP5400)

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# DATA SHEET