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# DEL-VAL 321 HIGH SOLIDS SILICONE ROOF COATING

## DESCRIPTION

Del-Val 321 High Solids Silicone Roof Coating is a high yield, low VOC one-part silicone elastomeric roof coating. Del-Val 321 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. Del-Val 321 provides excellent long term protection through exceptional weather-ability properties.

## USES

Del-Val 321 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.

## PREPARATION

Surface must be clean, free of all loose particles, dirt debris and other contaminants that could inhibit adhesion. Adhesion tests are recommended to ensure the coating is going to adhere to the substrate, contact United Asphalt if needed.

## APPLICATION

Del-Val 321 High Solids Silicone Roof Coating may be applied by medium nap rollers, soft brushes or high pressure airless spray equipment. Apply Del-Val 321 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.

## COVERAGE RATES & ESTIMATED DRY TIMES

Apply Del-Val 321 at the rate of 1.5 gallons per square. Minimum dry mil thickness shall be above 20 mils. Two passes of silicone and a primer coat may be required for some applications. **Skinover:** 30 Minutes. **Tack Free:** 1 Hours. **Cure Time:** 2-8 Hours.

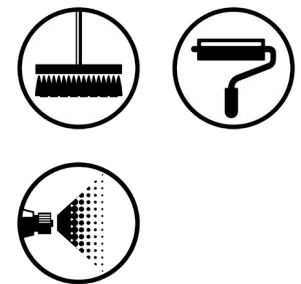
## SPECIFICATIONS

**TOTAL SOLIDS BY VOLUME:** .. 96% ± 2 ASTM D2697  
**WEIGHT PER GALLON:** .....10.7 lbs. per gallon  
**FLASH POINT:** .....> 290° F  
**VISCOSITY:**.....4800 – 9000 cPs  
**TENSILE STRENGTH:** .....325 psi ± 50  
**ELONGATION:** ..... 249% ± 50  
**HARDNESS:** .....50 ± 5 Shore A  
**PERMEABILITY:** .....4.2 perms

**SERVICE TEMPERATURE:**..... -50° to 200° F  
**CLEAN UP:**..... Solvent  
**THINNER:** ..... Not Recommended  
**SHELF LIFE:**.....6 months @ 35° – 75° F  
**VOC:** .....Less than 50 g/l  
**SOLAR REFLECTANCE:**..... 87%  
**THERMAL EMITTANCE:**..... 89%  
**COLOR:** .....White



## TOOLS NEEDED ▾



## PACKAGING SIZES ▾



## 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. Refer to SDS for more information.

## LEARN MORE ↓

[UnitedAsphalt.com/DV321](http://UnitedAsphalt.com/DV321)