

# ALSAN® COATING SIL 402

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PRODUCT #  
5 GAL L-SILWH5  
55 GAL L-SILWH50

## PRODUCT DATA SHEET

### DESCRIPTION & FEATURES

ALSAN Coating SIL 402 is a VOC compliant, high solids, single component, silicone roof coating and protective barrier for a variety of low slope roof surfaces and substrates. Upon cure, ALSAN Coating SIL 402 forms a durable, weatherproof coating that is highly resistant to degradation from UV and natural weathering. ALSAN Coating SIL 402 may be applied as a maintenance coating over sound and dry single ply (TPO, PVC, EPDM, and CSPE), modified bitumen, BUR, metal roofing and/or other approved existing coatings.

### STORAGE

Always store in sealed containers in cool, ventilated and dry locations, away from direct sunlight, heat and oxidizing agents. Do not store in direct sunlight or temperatures below 55°F (12.8°C) or above 80°F (26.7°C).

### APPLICATION

ALSAN Coating SIL 402 can be applied using a single component airless spray equipment, a roller or a brush. Prior to starting the application, perform an adhesion test on each surface type to ensure adequate bond can be achieved or if a primer or other specific surface preparation is required. Assure ambient and substrate temperatures remain 40°F (4.4°C) or above, to assure proper application and curing.

NOTE: ALSAN Coating SIL 402 reacts with atmospheric moisture to cure. Once containers are open and exposed to the atmosphere, a skin will form on the material over time, which must be removed from the bulk material before use. Coverage rates are based on a maximum 2:12 slope if applying ALSAN Coating SIL 402 on a higher slope, it will be applied in multiple thinner coats to achieve same desired coverage rate.



APPLICATION



BRUSH



ROLLER



SPRAY

### COOL ROOF RATING

PRODUCT	SOLAR REFLECTANCE		THERMAL EMITTANCE		SRI	
ALSAN COATING SIL 402	0.89 initial	0.73 3 year	0.90 initial	0.88 3 year	113 initial	90 3 year

QUICK FACTS

QUANTITY GAL		AMBIENT TEMP (°F)	SUBSTRATE TEMP (°F)	TACK FREE* (hours)	FULLY CURED* (hours)
5 (18.9 L)	55 (208 L)	40-95 (4.4 to 35°C)	40-120 (4.4 to 48.9°C)	1-2 at 77°F (25°C) @ 50% RH	12-18 at 77°F (25°C) @ 50% RH

\*NOTE: Cure times will be reduced at elevated ambient humidity and temperature.



**SOPREMA®**

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TECHNICAL INFORMATION & TESTING

**APPROXIMATE COVERAGE RATES**

SUBSTRATE	MINIMUM TOTAL CONSUMPTION gal/100ft <sup>2</sup> (l/m <sup>2</sup> )	MINIMUM WFT mils(mm)	MINIMUM DFT mils(mm)
Metal	1.5-3.0	24-48	22-44
Single Ply (PVC, TPO, CSPE & EPDM)	2.0-3.0	32-48	29-44
Modified Bitumen			

\*Coverage rates vary based on substrate and warranty.

**PHYSICAL PROPERTIES**

PROPERTY		TEST METHOD
Solids, volume (%)	92 +/- 3	ASTM D2369
Specific gravity @ 77°F (25°C)	1.24	
Flash point, °F (°C)	141 (60)	ASTM D1644
Tensile strength, psi	>240	ASTM D412
Elongation, %	>230	ASTM D412
Durometer Hardness Shore A	37	ASTM D2240
VOC, g/L	<50	ASTM D3950
Accelerated weathering (QUV), hours (without degradation)	5000	ASTM G154
Flame spread	Class A	ASTM E108
Permeability, perms	10.7	ASTM E96
Temperature stability, °F (°C)	-35 to 212 (-37 to 100)	-
Shelf life, months	24	-
Clean up	mineral spirits	-

TESTING & APPROVALS

