

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 architectural 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 restorative coating over sound and dry single ply (TPO, PVC, EPDM and CSPE), modified bitumen, BUR, and metal roofing and/or other 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 40°F (4.4°C) or above 80°F (26.7°C). Approximate shelf life is 12 months from date of manufacture when properly stored sealed and unopened.

APPLICATION

ALSAN Coating SIL 402 can be applied up to 40 mils thick in one application using single component airless spray equipment, roller or brush without need for mixing or catalyst. Prior to starting 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 35°F (1.7°C) or above to assure proper application and curing.

NOTE: ALSAN Coating SIL 402 Flashing 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.

APPLICATION



BRUSH



ROLLER



SPRAY

COOL ROOF RATING

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

QUICK FACTS

QUANTITY GAL		AMBIENT TEMP (°F)	SUBSTRATE TEMP (°F)	RESIN TEMP (°F)	TACK FREE* (hours)	FULLY CURED* (hours)
5 (18.9 L)	55 (208 L)	35-95 (2 to 35°C)	35-120 (2 to 48.9°C)	40-80 (4 to 26.7°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 PROFILE	MINIMUM TOTAL CONSUMPTION gal/100ft ² (l/m ²)	MINIMUM WFT mils(mm)	MINIMUM DFT mils(mm)
See specifications for specific recommendations & warranty	1.22 (0.50)	20 (0.50)	+/- 18 (0.46)
	1.56 (0.63)	25 (0.64)	+/- 23 (0.58)
	1.90 (0.77)	30 (0.76)	+/- 38 (0.71)
	2.17 (0.88)	35 (0.89)	+/- 32 (0.81)
	2.51 (1.02)	40 (1.02)	+/- 37 (0.94)

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	247	ASTM D412
Elongation, %	237	ASTM D412
Durometer hardness shore A	37	ASTM D2240
VOC, g/L	<50	ASTM D3950
Solar reflectance - initial ⁽²⁾	89	ASTM C1549
Emittance - initial ⁽²⁾	90	ASTM C1371
SRI value ⁽²⁾	113	ASTM E1980
Accelerated weathering (QUV), hours (without degradation)	5000	ASTM G154
Flame spread	Class A	ASTM E108
Permeability ⁽¹⁾ , perms	10.7	ASTM E96
Temperature stability, °F (°C)	-35 to 212 (-37 to 100)	

(1) 20 mil thickness at 100°F (38°C) and 90% RH.

(2) Applies to ALSAN SIL 402 only.

TESTING & APPROVALS

