

ALSAN® COATING SIL 402

High solids, Single-Component, Silicone-Based Coating

PRODUCT DATA SHEET PDS10385 - REV 230724



APPLICATIONS

ROOFING

PRODUCT NUMBERS:

- L-SILWH5 - 5 gal (18.9 L) Pail - Bright white
- L-SILCC5 - 5 gal (18.9 L) Pail - Custom color
- L-SILWH55 - 55 gal (208 L) Drum - Bright white
- L-SILCC55 - 55 gal (208 L) Drum - Custom color

Standard color is white, for custom colors contact customer services for lead times and product availability.

DESCRIPTION & FEATURES:

ALSAN COATING SIL 402 is a high solids, single component, silicone roof coating and protective barrier for various 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 while exhibiting outstanding ponded water resistance.

- Single coat coverage - High solids content allows for the coating to be applied in a single pass
- Highly reflective, bright white finish reduces rooftop temperatures and radiant heat transfer for increased energy savings
- Excellent resistance to mold, mildew and staining
- Suitable for use on common roof types, including single-ply (PVC, EPDM, and CSPE), modified bitumen, BUR, metal roofing and other approved existing coatings
- Environmentally friendly and VOC-compliant
- Meets or exceeds all properties of ASTM D6694

AVAILABLE COLORS:



APPLICATION:



BRUSH



ROLLER



SPRAY

Thoroughly mix the coating before application. All surfaces must be dry and free of dirt, debris, algae, mildew, oil, talc, loose granules or any other foreign matter that may prohibit adhesion. Power-washing and/or priming surfaces may be necessary to enhance adhesion or limit asphalt bleed-through.

ALSAN COATING SIL 402 can be applied using a brush, roller or airless spray equipment. **ALSAN COATING SIL 402** is intended for use as a direct-bond, single-pass silicone roof coating. Apply at a minimum rate of 1.5 gallons per 100 ft² for a minimum dry film thickness (DFT) of 22 mils. Application rates vary by project and warranty, please consult the Roof Coatings Technical Manual for full list of coverage rates and warranties. NOTE: **ALSAN COATING SIL 402** is a moisture cure product. Once containers are open and exposed to the air, a skin will form on the material, which must be removed before use.

Refer to the SOPREMA Roof Coatings Technical Manual for complete application guidelines.

STORAGE:

Store the container in an upright position to prevent damage. Store in a clean, dry location and cover as necessary to protect from environmental damage such as extreme cold, heat or moisture. Storage temperature range should be between 50°F (10°C) and 80°F (26.7°C). Approximate shelf life is 18 months from date of manufacture when properly stored and sealed.



ALSAN® COATING SIL 402

High solids, Single-Component, Silicone-Based Coating



PRODUCT DATA SHEET PDS10385 - REV 230724



APPLICATIONS

ROOFING

TECHNICAL INFORMATION & TESTING:

APPROXIMATE COVERAGE RATES

SUBSTRATE PROFILE	COVERAGE RATE PER COAT* gal/100 ft ² (L/m ²)	MINIMUM THICKNESS Wet mils (mm)	MINIMUM THICKNESS Dry mils (mm)
METAL SINGLE-PLY (PVC & EPDM) MODIFIED BITUMEN	1.5-2.5 (0.31-0.52)	24 - 40 (0.60 - 1.02)	22 - 38 (0.56 - 0.96)

* See project specification for total coverage rate based on the substrate and warranty requirements.

TYPICAL PROPERTIES**

PROPERTY	VALUE	ASTM TEST METHOD
Technology	Silicone	-
Color	White, light gray, dark gray, reflective tan, santa fe tan, safety yellow	-
Tack free @ 77°F (25°C) @ 50% RH,* hours	< 8	-
Full cure @ 77°F (25°C) @ 50% RH,* hours	8 - 72	-
Tensile strength, psi	> 240	D412
Elongation, %	> 270	D412
Permeability	3.4	E96
Solids by volume, %	96 +/- 3	D2369
Solids by weight, %	96 +/- 3	D1644
Ambient temperature, °F (°C)	40 - 95 (4.4 - 35)	-
Substrate temperature, °F (°C)	40 - 120 (4.4 - 48.9)	-
Cleanup	Mineral spirits or paint thinner	-
Shelf life, months	18	-
VOC content, g/L	< 50	D3950

* Drying times are dependent on temperature, humidity and film thickness.

** Data is represented by average values, unless noted otherwise.

LIMITATIONS

SOPREMA advises that adhesion/peel tests be performed prior to application to ensure adequate bond can be achieved or if a primer or other specific surface preparation are required.

For best results, ambient and surface temperatures must be between 40-95°F (4.4 - 35°C). Do not attempt application if ice, snow, moisture or dew are present or expected within 24 hours after application.

TESTING & APPROVALS:



FLORIDA BUILDING CODE

FL9779

MIAMI-DADE COUNTY
APPROVED

NOA # 20-0908.05

WARRANTY:

For more information refer to www.SOPREMA.us or contact your SOPREMA representative.



SOPREMA.US • 1.800.356.3521

SOPREMA.CA • 1.877.MAMMOUTH

ALSAN® COATING SIL 402

High solids, Single-Component, Silicone-Based Coating



APPLICATIONS

ROOFING

PRODUCT DATA SHEET PDS10385 - REV 230706

SUSTAINABILITY



VOC CONTENT
LOW EMITTING

< 50 g/L

COOL ROOF RATING

PRODUCT	SOLAR REFLECTANCE		THERMAL EMITTANCE		SRI	
ALSAN COATING SIL 402 Bright White CRRC Product ID: 0772-0060	0.88 Initial	0.70 3 year	0.90 Initial	0.90 3 year	111 Initial	86 3 year

CRRC published results for Solar Reflectance, Thermal Emittance and SRI results were tested and evaluated in accordance with ASTM C1549, C1371, E1980, D7897 and the CRRC-1 Product Rating Program Manual.