COOL-SIL®

Cool-Sil Single-Ply Primer
Technical Data Sheet

OVERVIEW & FEATURES

Cool-Sil Single-Ply Primer is a primer designed for surfaces which traditionally present adhesion problems for silicone roof coatings, such as TPO and PVC. It can also be used over a variety of ther substrates to enhance adhesion, including EPDM. It is a fast-drying primer that provides strong adhesion on weathered surfaces. Single-Ply Primer is intended for use over a cleaned roof surface; contaminants such as dirt and debris prevent proper adhesion.

PREPARATION

Conduct a moisture survey prior to roof restoration and make any necessary repairs, including removal of any wet insulation and roofing materials, replacing with like materials. Allow repairs to cure completely. Confirm local water run-off ordinances and restrictions prior to cleaning. Carefully power-wash all surfaces with greater than 2,000 psi pressure to remove debris, rust, scale, dirt, dust, chalking, peeling or flaking coatings, etc. Do not force water into the roof system or damage roof surfaces. Wearing personal protective clothing and equipment, remove algae, mildew, or fungus with Simple Green Oxy Solve, scrubbing with a push broom scrub brush. Rinse at least twice to be sure all cleaning agents and contaminants are completely removed to prevent adhesion issues. If the roof surface becomes contaminated with dirt, dust, or other particles at any time during the application of the fluid-applied roof system, cleaning measures must be taken to restore the surface to a suitable condition.

APPLICATION

Apply Cool-Sil Single-Ply Primer until roof appears to be a consistent charcoal color. Apply at a rate of 330 square feet per gallon (0.33 gallons per square). Additional material may be required for porous substrates. Apply primer with small airless sprayer or a medium nap roller. Over-application or use of multiple coats can reduce adhesion performance. Overcoat within 24 hours.

PRECAUTIONS

- Product application must not be done when rain or other conditions such as fog or heavy dew are possible within a 12-hour period.
- Single-Ply Primer should be applied in only one coat.
- This product contains flammable solvents and is intended for use by professional contractors only.
- Storage temperatures should be between 60-80°F (15.6-26.7°C) and not exceed 110°F (43.3°C). Indoor ventilated storage is recommended. Ensure job site storage is in a shaded and ventilated area. Do not store in direct sunlight.
- Roof surface must be at least six Fahrenheit degrees or three Celsius degrees above the dew point and rising.
- Restrict coating application when the ambient temperature is not at least 50°F (10°C) and rising or when overnight temperature drops below 40°F (4.4°C).
- Restrict coating application when the ambient temperature is greater than 95°F (35°C).
- Coverage rates may vary based on surface condition/texture and do not take into account material loss due to spraying, surface texture, surface absorption, waste, etc.

Technical Data	Cool-Sil Single-Ply Primer
Color	Charcoal
Solid Content Volume (ASTM D2369)	11% (+/-2)
Tack-Free Time	30-60 minutes
Cure Time	1-2 hours
Specific Gravity @ 25°C (77°F)	0.88
Clean Up	Mineral Spirits
Shelf Life	12 months
VOC	<250 g/L
Packaging	5 gallon pail (18.9 l) 55 gallon drum (208.2 l)

For additional Cool-Sil documents, scan the QR code above.

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Tests verified by independent laboratories. Actual roof performance specifications will vary depending on test speed and temperature. Data reflects samples randomly collected. ± 10% variation may be experienced. The above data supersedes all previously published information. Consult your local Garland Representative or the home office for more information.

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