

KLF Series

Silicone/Alkyd

DESCRIPTION

A high solids, Single Component, Silicone/Alkyd Topcoat

PRINCIPAL CHARACTERISTICS

- VOC Compliant <2.8 lbs./gal (unthinned)
- Kolor-Sil incorporates a 30% copolymerized silicone alkyd resin to achieve maximum performance and meet the requirements of Federal Standard TT-E-490 and TT-E-1593.
- Use in conjunction with alkyd or silicone/alkyd primers
- Not recommended for immersion service; splash and spillage of strong acids, alkalies and solvents

COLOR AND GLOSS LEVEL

- A wide range of colors are available
- Gloss 60 Meter: 80 minimum

BASIC DATA AT 77°F (25°C)

Data for mixed product	
Number of components	One
Volume solids	63 ± 3%
VOC (Supplied)	max. 2.7 lb/US gal (approx. 324 g/l)
Temperature resistance	To 350°F 177°C)
Recommended dry film thickness	1.5 - 2.5 mils (38 - 64 µm) depending on system
Theoretical spreading rate	504 ft ² /US gal for 2.0 mils (0.0 m ² /l for 50 µm)
Dry to touch	4 hours
Dry to topcoat	24 hours
Dry to handle	6 hours
Shelf life	At least 24 months when stored cool and dry

Note: Drying times listed may vary depending on temperature, humidity and air movement

RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

- For application to Metal or Masonry
- The service life of the coating is directly related to the surface preparation.
- The surface to be coated must be dimensionally stable, properly prepared and primed, dry, clean and free of all contamination including oil, dirt, grease and rust.
- Minimum surface preparation is SSPC-SP3 Power Tool Cleaning or SSPC-SP2 Hand Tool Cleaning



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Substrate temperature

- DONOTUSE Below 45°F (7°C), and at least 5°F (3°C) above dew point
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Warning

Removal of old paint by sanding, scraping or other means may generate dust or fumes which contain lead. EXPOSURE TO LEAD DUST OR FUMES MAY CAUSE ADVERSE HEALTH EFFECTS, ESPECIALLY IN CHILDREN OR PREGNANT WOMEN. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted and approved (e.g., NIOSHapproved) respirator and proper containment and cleanup. For additional information, contact the USEPA/Lead Information Hotline at 1-800-424-LEAD or the regional Health Canada office

SYSTEM SPECIFICATION

- Compatible basecoats: Kolor-Nine Primers, Kolor-Poxy Primers and Enamels, Kolor-Sil Enamels, Vinyl Butyral Wash Primer, or Vinyl Latex
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Application

- Apply by spray, brush or roller application
- Mix thoroughly before application and occasionally while in use.
- Previously Painted Surfaces: Old coatings should be tested for adhesion of the existing system and lifting of proposed coating

Material temperature

Material temperature during application should be between 32°F (0°C) and 95°F (35°C)

Air spray

- Air spray: DeVilbiss MBC gun 704 or 777 air cap with E or FF tip and needle or equivalent equipment. Atomizing pressure, 30-60 psi.

Recommended thinner

THINNER 20-05 (AMERCOAT 15) (mineral spirits)

Airless spray

- Equipment capable of maintaining a 2000-2500 psig 0.013" (0.330mm)- 0.017"(0.432mm) orifice.
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Brush/roller

- Use a high quality natural bristle brush or a 3/8" nap roller cover with a solvent resistant core.

Recommended thinner

Thinner 20-05 (Amercoat 15) (Mineral Spirits)

Note: Thin as needed.



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Cleaning solvent

Thinner 20-05 (Amercoat 15) (Mineral Spirits)

ADDITIONAL DATA

Overcoating interval for DFT up to 2.5 mils (64 µm)					
Overcoating with...	Interval	32°F (0°C)	50°F (10°C)	70°F (21°C)	90°F (32°C)
Itself (Interior)	Minimum	Not recommended	50 hours	48 hours	36 hours
	Maximum	Not recommended	Unlimited	Unlimited	Unlimited
Itself (Exterior)	Minimum	Not recommended	30 hours	24 hours	18 hours
	Maximum	Not recommended	Unlimited	Unlimited	Unlimited

Curing time for DFT up to 2.5 mils (64 µm)		
Substrate temperature	Dry to touch	Dry to handle
77°F (25°C)	4 hours	6 hours

Product Qualifications

- Nuclear Service Level 2 (ANSI N 5.12, ANSI N 101.2)

SAFETY PRECAUTIONS

- **WARNING!** If you scrape, sand, or remove old paint, you may release lead dust or fumes. LEAD IS TOXIC. EXPOSURE TO LEAD DUST OR FUMES CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a properly fitted NIOSH-approved respirator and prevent skin contact to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out to protect yourself and your family by contacting the USEPA National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead. In Canada, contact a regional Health Canada office. Follow these instructions to control exposure to other hazardous substances that may be released during surface preparation. NOT APPROVED FOR AVIATION USE!!
- Spray equipment must be handled with due care and in accordance with manufacturer's recommendation
- High-pressure injection of coatings into the skin by airless equipment may cause serious injury, requiring immediate medical attention at a hospital
- See Safety Data Sheet and product label for complete safety and precaution requirements

Danger

Rags, steel wool or waste soaked with this product may spontaneously catch fire if improperly discarded. Immediately after use, place rags, steel wool or waste in a sealed water-filled metal container. Refer to www.pittsburghpaints.com, Spontaneous Combustion Advisory for additional information



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WORLDWIDE AVAILABILITY

It is always the aim of PPG Protective and Marine Coatings to supply the same product on a worldwide basis. However, slight modification of the product is sometimes necessary to comply with local or national rules/circumstances. Under these circumstances an alternative product data sheet is used.

REFERENCES

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|--------------------------------------|-------------------|------|
| • CONVERSION TABLES | INFORMATION SHEET | 1410 |
| • EXPLANATION TO PRODUCT DATA SHEETS | INFORMATION SHEET | 1411 |

WARRANTY

PPG warrants (i) its title to the product, (ii) that the quality of the product conforms to PPG's specifications for such product in effect at the time of manufacture and (iii) that the product shall be delivered free of the rightful claim of any third person for infringement of any U.S. patent covering the product. THESE ARE THE ONLY WARRANTIES THAT PPG MAKES AND ALL OTHER EXPRESS OR IMPLIED WARRANTIES, UNDER STATUTE OR ARISING OTHERWISE IN LAW, FROM A COURSE OF DEALING OR USAGE OF TRADE, INCLUDING WITHOUT LIMITATION, ANY OTHER WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR USE, ARE DISCLAIMED BY PPG. Any claim under this warranty must be made by Buyer to PPG in writing within five (5) days of Buyer's discovery of the claimed defect, but in no event later than the expiration of the applicable shelf life of the product, or one year from the date of the delivery of the product to the Buyer, whichever is earlier. Buyer's failure to notify PPG of such non-conformance as required herein shall bar Buyer from recovery under this warranty.

AVAILABILITY

Packaging

1-gallon and 5-gallon containers

Product codes	Description
KLFXXXX/01	where XXXX is a color designation
KLFXXXX/05	where XXXX is a color designation

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