

# KL4600

## Moisture Cure Urethane

### DESCRIPTION

One component, moisture cure urethane

#### Notes:

- Suitable for application down to 20°F (-7°C)
- Compatible basecoats - Keelock, Kolormastic, Kolor-Poxy Primers, Kolor-Poxy Self-Priming Surface Enamel
- Not recommended for immersion in strong acids.

### PRINCIPAL CHARACTERISTICS

- VOC: 2.7 lbs/gal. (329 g/l)
- Coal Tar Primer/Finish
- Use in splash zones, high humidity and buried environments

### COLOR AND GLOSS LEVEL

- Black
- Flat

### BASIC DATA AT 77°F (25°C)

Data for mixed product	
Number of components	One
Mass density	13.0 lb/US gal (1.6 kg/l)
Volume solids	62 ± 2%
VOC (Supplied)	max. 2.7 lb/US gal (approx. 324 g/l)
Temperature resistance (Continuous)	To 180°F (82°C)
Recommended dry film thickness	5.0 - 7.0 mils (125 - 175 µm) depending on system
Theoretical spreading rate	993 ft <sup>2</sup> /US gal for 1.0 mils (24.4 m <sup>2</sup> /l for 25 µm)
Dry to touch	1 hour
Dry to overcoat	Minimum 4 hours
Dry to handle	2 hours
Shelf life	At least 24 months when stored cool and dry

#### Notes:

- In Service Heat Limitations: Immersion service 150 degrees F.
- Drying times listed may vary depending on temperature, humidity and air movement

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### 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 properly prepared, dry, clean and free of contamination.
- Atmospheric Service: SSPC-SP6 (NACE#3) Commercial Blast Cleaning -minimum
- Immersion Service: SSPC-SP10 (NACE#2) Near White Metal Blast Cleaning - minimum

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### Atmospheric exposure conditions

- The relative humidity should be 30% or greater upon application.

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### Substrate temperature

- Surface temperature during application should be between 20°F (-7°C) and 120°F (49°C)
- Surface temperature during application should be at least 5°F (3°C) above dew point

Note: The surface should be inspected to ensure there is no ice or frost present on the substrate

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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., NIOSH approved) 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

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### INSTRUCTIONS FOR USE

- Mix with a mechanical mixer to ensure proper pigment suspension
- Protect from moisture. Keep containers sealed.
- A partial container may be protected against moisture curing by covering the contents with a thin layer of solvent.

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### Application

- Apply by air or airless spray, brush or roller application

### Material temperature

Material temperature during application should be between 32°F (0°C) and 100°F (38°C)

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### Air spray

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

### Recommended thinner

Thinning is not normally required. To compensate for unusual application or environmental conditions, and where allowed by local VOC regulations, thin sparingly with MEK.



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### **Airless spray**

- Equipment capable of maintaining a minimum of 2500 psi at the tip without surge. 0.015" (0.38mm) to 0.019" (0.48mm) orifice.

### **Brush/roller**

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

### **Cleaning solvent**

MEK

### **ADDITIONAL DATA**

Overcoating interval for KL4600 DFT up to 7.0 mils					
Overcoating with...	Interval	32°F (0°C)	50°F (10°C)	70°F (21°C)	90°F (32°C)
itself	Minimum	8 hours	6 hours	4 hours	4 hours
	Maximum	Unlimited	Unlimited	Unlimited	Unlimited

#### Notes:

- Avoid excessive films. Dry films in excess of recommended thickness may exhibit bubbling and require longer cure times.
- Dry times are based upon a minimum 30% RH

### **DISCLAIMER**

- Not intended for residential use.

### **SAFETY PRECAUTIONS**

- See Safety Data Sheet and product label for complete safety and precaution requirements
- High-pressure injection of coatings into the skin by airless equipment may cause serious injury, requiring immediate medical attention at a hospital
- Spray equipment must be handled with due care and in accordance with manufacturer's recommendation

### **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.



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### 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

KL4600/03

3 gallon container

Product codes	Description
KL4600	Black

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