
DESCRIPTION:

Nukote IC Prime is a single component, low solids, liquid applied aromatic urethane polyurea primer. It has been specifically designed and blended for use as an inter-coat adhesion primer-promoter primarily for polyurea and elastomeric surfaces. It can be used when the over coating open window of Nukote polyurea have been exceeded, day joints, for overlapping on aged Polyurea, with Polyurea, Polyurethane and Polyurethane hybrids and in repair and upgrade.

FEATURES:

- Fast Re-coat Time
- Excellent Adhesion
- Low Odor
- Low Viscosity

TYPICAL USES:

- Polyurea to Polyurea bonding
- Polyurea to Polyurethane Bonding

COLORS:

Amber

PACKAGING:

1-gallon (3.8-liter) can, 5-gallon (19-liter) pail

COVERAGE:

Nukote spread rate is 420 ft²/ gal at 1 mils (10.4 m²/liter at 25 microns) thickness without factoring any loss

STORAGE:

Six to nine months in factory delivered, unopened drums. Store on pallets and keep away from extreme heat, freezing, and moisture.

MIXING:

Nukote IC Prime might not be diluted under any circumstance. Before application, Nukote IC prime must be mixed thoroughly. Closed-top metal cans can be shaken or rolled to mix material.

APPLICATION:

Can be applied utilizing an airless sprayer, brush, or phenolic resin core roller. Apply a thin coat of not more than 0.8 to 1.2 mils (20-30 microns) and ensure the entire surface is wetted. Allow Nukote IC Prime to be tack free, dry at 70 °F (21 °C) and 50% relative humidity for 30-45 minutes before applying the coating. Surface temperature should be greater than 50 °F (10 °C) and at least 37 °F (3 °C) above the dew point. Nukote IC Prime is very sensitive to heat and moisture. Higher temperatures and/or high humidity will significantly accelerate the cure time. Thickness of application and lower temperature and/or low humidity extend the cure time.

SURFACE PREPARATION:

Degrease the surface with proprietary degreaser to remove all contaminants that can interfere with bonding of new coating to existing one. Abrade using 80 grit abrasive pad using a power sander. Remove all dust clean it with acetone or iso-propyl alcohol, allow the solvent to evaporate and apply IC prime as instructed.

TECHNICAL DATA (All values @ 77 °F / 25 °C)	US	Metric
Solids by volume (ASTM D2697)	26%	26%
Volatile organic compounds (ASTM D2369)	6.55 lb./gal	786 gm/ lit
Theoretical coverage	420 ft ² /gal @ 1 mils	10.4 m ² /lit@25 microns
Specific Gravity (ASTM D792)	8.93 lbs./gal	1.07kg/ liter
Viscosity at 77 °F/25 °C in cps ±10% (ASTM D4878)	200 ± 20	200 ± 20
Shelf life @ 77 °F /25 °C	06 to 09 Months	06 to 09 Months
Flash point Pensky Martin	199 °F	92 °C
PROCESSING PROPERTIES (Under standard lab conditions)		
Mix Ratio V/V	N/A	
Tack free time (DFT & Temperature dependent)	1 to 2 hours	
Maximum recoat time	3 to 4 hours	
<i>Properties and values are highly dependent on equipment, spray gun, mix chamber temperature, pressure and related parameters. Variations are possible and expected.</i>		

EQUIPMENT CLEAN UP:

Equipment should be cleaned with an environmentally safe solvent, as permitted under local regulations, immediately after use.

LIMITATIONS:

Containers that have been opened must be used as soon as possible. Not UV stable. Do not dilute Nukote IC Prime. Nukote IC prime should be over coated as soon as it is tack free and within 2 hours after it has become tack free.

WARNING:

This product contains Isocyanate.

WARRANTIES AND DISCLAIMERS:

Nukote Coating Systems International, a Nevada, USA Corporation warrants that the two components of this product shall conform to the technical specifications published in the product literature. The quality and fitness of the product is dependent upon the proper mixture and application of the components by the applicator. Nukote Coating Systems has no role in the application of the finished polymer other than to manufacture and supply its two components. It is vital that the person applying this product understands the product and is fully trained and certified in the use of plural component equipment and application of plural component materials. There are no warranties that extend beyond the description on the face of this instrument, except when provided in writing, directly by Nukote Coating Systems International and executed under seal by a company officer.