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**DESCRIPTION:**

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Nukote IC PRIME U is a two component, high solids, liquid applied primer with unique penetrating characteristics. 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.

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**FEATURES:**

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- High solids
- Low odor
- Fast re-coat time
- Low viscosity

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**TYPICAL USES:**

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- Inter-coat adhesion and re-coat primer for existing urethane systems
- Polyurea to Polyurea bonding
- Polyurea to Polyurethane Bonding

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**COLORS:**

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Standard color is Grey. Side-A: Black, Side-B: White

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**PACKAGING:**

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2-gallon (7.6-liter) kits, shipped in 1 gallon (3.8 liters) can each of side A and side B  
10-gallon (38-liter) kits, shipped in plastic pails of 5 gallons (19 liters) each of side A and side B

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**COVERAGE:**

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Nukote IC PRIME U spread rate is 300 ft<sup>2</sup>/ gal (7 m<sup>2</sup>/liter). Coverage rate will depend on surface roughness and porosity.

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**STORAGE:**

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

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**MIXING:**

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Nukote IC PRIME U might not be diluted under any circumstance.  
The volume mixing ratio is 1 part Side-A to 1 part Side-B (1A:1B). Do not mix in an up and down motion.

NUKOTE IC PRIME U Side-A and Side-B should be thoroughly mixed individually prior to combining to ensure a homogeneous material. IC PRIME U must always be mixed with 1 part Side-A and 1 part Side-B (1A:1B). The combined components should be thoroughly mixed using a mechanical mixer at slow speed.

**LIMITATIONS:**

Do not open until ready to use, and store in a sealed container after opening. Containers that have been opened must be used as soon as possible. Mix no more material than can be used within 20 minutes. Surfaces must be dry, clean and free of foreign matter. Not UV stable. Will discolour in exterior applications. NUKOTE IC PRIME U should be coated within 12 hours after it has become tack free. IC PRIME U is difficult to clean up after it has cured. Do not dilute IC PRIME U.

<b>TECHNICAL DATA (All values @ 77 °F / 25 °C)</b>	<b>US</b>	<b>Metric</b>
Solids by volume (ASTM D2697)	98%	98%
Volatile organic compounds (ASTM D2369)	0.21 lb./gal	25 gm/ lit
Theoretical coverage	300 ft <sup>2</sup> /gal	7m <sup>2</sup> / lit
Specific Gravity of materials (ASTM D792)	A: 10.2, B: 8.18 lbs./gal	A:1.22, B:0.98kg/ liter
Viscosity at 77 °F /25 °C in cps ±10% (ASTM D4878)	500 ± 100	A-20, B-20
Shelf life @ 77 °F /25 °C	12 Months	12 Months
Flash point Pensky Martin	>200 °F	>93 °C
Service temperature (Dry)	-4 °F to 194 °F	-20 °C to 90 °C
<b>PROCESSING PROPERTIES (Under standard lab conditions)</b>		
Mix Ratio V/V	1:1	
Tack free time ( DFT & Temperature dependent)	2 to 4 hours	
Maximum Recoat time	4 to 12 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>		

**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.

**APPLICATION:**

NUKOTE IC PRIME U should be applied at the rate of 1 gallon (mixture of Side-A & Side-B)/300 sqft (0.14 liters/sqm). Coverage rate will depend on surface roughness and porosity. It can be applied using an airless sprayer, brush, or phenolic resin core roller. Do not allow the material to puddle.

Allow IC PRIME U to become tack free before applying the coating. Approximate tack free time is 2-4 hours at 75°F (24°C) and 50% relative humidity. If the primer has been allowed to remain tack free for more than 12 hours, it is necessary to solvent wipe surface with VOC-compliant solvent and reprime the surface.

Recommended surface temperature should be greater than 50°F (10°C) and at least 5°F (3°C) above the dew point.

NUKOTE IC PRIME U is very sensitive to heat and moisture. Higher temperatures and/or high humidity will significantly accelerate the cure time and pot life. Use caution in batch sizes and thickness of application.

Low temperature and/or low humidity extend the cure time.

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**EQUIPMENT CLEAN UP:**

Cured product may be disposed of without restriction. Uncured resin and hardener portions should be mixed together and disposed of in accordance with local regulations. Containers should be disposed of according to local environmental laws and ordinances.

Nukote IC PRIME U is difficult to clean up after it has cured. Equipment should be cleaned with environmentally safe solvent, as permitted under local regulations, immediately after use.

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**WARNING:**

This product contains Epoxy Resin and Curatives.

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**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.*