
DESCRIPTION:

Nukote EP Prime I is two component, high solids, liquid applied, epoxy-polyamine primer surfacer with unique penetrating characteristics.

FEATURES:

- High solids with low VOC
- Low Odor
- Excellent Adhesion
- Low Viscosity
- Long open time
- Faster over coating

TYPICAL USES:

- Concrete
- Glass Reinforced Plastics
- Polyurethane Elastomeric Surfaces
- Metal
- Plywood

COLORS:

Part-A: Blue, Part-B: Yellow

PACKAGING:

3-gallon (11.34-liter) kit: Two 2 gallon (3.78 liter) cans of Part-A Blue Liquid and one 1-gallon (3.78-liter) can of Part-B Yellow Liquid.

15-gallon (57-liter) kit: Two 5-gallon (19-liter) pails of Part-A Blue Liquid and one 5-gallon (19-liter) pail of Part-B Yellow Liquid.

COVERAGE:

Nukote EP Prime II spread rate is 360 ft²/ gal at 4 mils (9 m²/liter at 100 microns) thickness without factoring any loss or concrete porosity.

MIXING:

Nukote EP Prime I might not be diluted under any circumstance. Consult NCSI technical department for application on highly porous surface where thinning may be required.

The volume mixing ratio is 2 part Part-A Blue Liquid to 1 part Part-B Yellow Liquid. Nukote EP Prime I Part-A and Part-B should be thoroughly mixed individually prior to combining to ensure a homogeneous material. The combined

components should be thoroughly mixed using mechanical mixer at slow speed or for at least 5 minutes if mixed by hand.

TECHNICAL DATA (All values @ 77 °F / 25 °C)	US	Metric
Solids by volume (ASTM D2697)	90 %	90 %
Volatile organic compounds (ASTM D2369)	0.75 lb./gal	90 gm/ lit
Theoretical coverage	360 ft ² /gal @ 4 mils	9 m ² /lit@100microns
Specific Gravity of materials (ASTM D792)	A:9.18,B:8.93 lbs./gal	A:1.09, B:1.07kg/ liter
Viscosity at 77 °F /25 °C in cps ±10% (ASTM D4878)	580-620	580-620
Shelf life @ 77 °F /25 °C	12 -15 Months	12 - 15 Months
PROCESSING PROPERTIES (Under standard lab conditions)		
Mix Ratio V/V	2 A: 1 B	
Pot life	20-30 minutes	
Tack free time (DFT & Temperature dependent)	60-90 minutes	
Touch dry	2-3 hours	
Hard dry	6-8 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:

Concrete:

The surface of a concrete subfloor should be dry, smooth, structurally sound and free of depression, scale, or foreign deposits of any kind. Remove all curing compounds. Abrasive blast, sweep blast or water blast to remove all latent material and expose voids. All concrete substrates, on or below grade level should be tested for moisture content. On-grade or below-grade concrete floors or slabs should have a moisture barrier installed to protect from ground moisture. The surface preparation of concrete should meet and conform to Joint NACE 6/SSPC-SP 13 standards and achieve a concrete surface profile of CSP 3 to CSP 6 as per ICRI Guideline No.03732 for optimum performance.

STORAGE:

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

APPLICATION:

Nukote EP Prime I can be applied using an airless sprayer, brush, or Phenolic resin core roller. Allow Nukote EP Prime I to become tack free before applying the coating. Recommended surface temperature should be greater than 50 °F (10 °C) and at least 37 °F (3 °C) above the dew point. Nukote EP Prime I 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. Highly porous surface will require more than one coat and contact NCSI for thinner and thinning details

EQUIPMENT CLEAN UP:

Cured product may be disposed of without restriction. Uncured 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.

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

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. Surfaces must be dry, clean and free of foreign matter. Not UV stable. Containers that have been opened must be used as soon as possible. It is difficult to clean up after it has cured. Mix no more material than can be used within 45 minutes.

WARNING:

This product contains epoxy and curatives.

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.