

NUKOTE EP PRIME II

Epoxy Primer Surfacer

DESCRIPTION:

Nukote EP Prime II is two component, high solids, liquid applied, low viscosity epoxy-polyamine primer surfacer with unique penetrating characteristics. It helps to seal the pores and capillaries and minimize out gassing.

FEATURES

- Low Odor
- High Solids
- Low Solvent
- Excellent Adhesion
- Low Viscosity
- Long open time

TYPICAL USES:

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

COLORS:

Part-A: Black, Part-B: White

PACKAGING:

7.6 litre kit: One 3.78 litre can of Part-A Black Liquid and One 3.78 litre can of Part-B White Liquid.

38 litre kit: One 19 litre pail of Part-A Black Liquid and One 19 litre pail of Part-B White Liquid.

MIXING:

The volume mixing ratio is 1 part Part-A Black Liquid to 1 part Part-B White Liquid. Nukote EP Prime II 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.

APPLICATION:

Nukote EP Prime II can be applied using an airless sprayer, brush, or Phenolic resin core roller. Allow Nukote EP Prime II to become tack free before applying the coating. Recommended surface temperature should be greater than 10°C and at least 3°C above the dew point. Nukote EP Prime II 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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THINNING:

This product cannot and must not be thinned or diluted under any circumstances.

SURFACE PREPARATION:

The surface of a concrete subfloor should be dry, smooth, and structurally sound. It should also be free of depression, scale, or foreign deposits of any kind. Remove all curing compounds. Abrasive blast, sweep blast or water blast to remove all laitance and expose all voids. Use a good quality epoxy filler / mortar for blow hole filling, skim coat or repairs. All concrete subfloors on or below grade level should be tested for moisture. On-grade or below-grade concrete floors should have a moisture barrier installed to protect from ground moisture.

Refer to NCS surface preparation manual for more details

TECHNICAL DATA (All values @25 °C)	
Solids by Volume, ASTM D-2369	91.5 ± 2%
Volatile Organic Compounds, ASTM D-2369-81	91 gm/liter
Theoretical Coverage Rate @100 microns	9.1 m ² /liter (varies with substrate and porosity)
Specific Gravity	A-1.34, B-1.97
Viscosity, at 24°C, Part-A & B combined	60 ± 20
Shelf Life	12-15 months
PROCESSING PROPERTIES (Under standard lab conditions)	
Mix Ratio V/V	1:1
Pot Life, 24°C @ 50% R.H	60-90 min.
Tack free time (DFT & Temperature dependant)	4 to 5 Hours
Touch dry	7-8 hours
Hard Dry	12-14 hours



Setting Performance Standards

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EQUIPMENT CLEAN UP:

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

STORAGE:

Nukote EP Prime II has a shelf life of one (1) year from date of manufacture in original, factory sealed containers.

LIMITATIONS:

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

WARNING:

This product contains Epoxy and curatives.

WARRANTIES AND DISCLAIMERS:

Nukote Coating Systems, LLC has no role in the manufacture of the finished polymer other than to 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. Nukote Coating Systems International, a Nevada Corporation, warrants only 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. 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.

PDS Product
Data Sheets

2010-2011

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Global Solutions - Local Experts