
DESCRIPTION:

Nukote M80 Prime is a two component, liquid applied, solvent based polyurethane primer with unique penetrating characteristics.

FEATURES:

- Prolongs the life of a roof while helping lower internal temperatures and reducing cooling costs
- Substrate Penetrating
- Low Viscosity
- Quick Cure / Re-coat Time

TYPICAL USES:

- Wood, Metal, Polyurethane elastomeric surfaces

COLORS:

Part A, Black

Part B, White

PACKAGING:

2-gallon (7.56 liters) kit, part A 1 gal (3.78 lit) and Part B 1 gal (3.78 lit)

COVERAGE:

Calculation for theoretical coverage:

1 gal. = 3-5 mils (177-127 microns)/300 sq. ft.

STORAGE:

12 months. Keep containers closed and store in a dry, cool place away from direct sunlight, heat, sparks, open flame, and moisture. Keep material stored above 65°F (18°C). Open containers should be blanketed with dry nitrogen before resealing.

TECHNICAL DATA (All values @ 77 °F / 25 °C)	US	Metric
Solids by volume (ASTM D2697)	84 ⁺ -2 %	84 ⁺ -2 %
Volatile organic compounds (ASTM D2369)	0.83 lb./gal	100 gm/ liter
Specific Gravity of materials (ASTM D792)	A: 10.8, B: 15.8 lbs./gal	A:1.30, B:1.89 kg/ liter
Viscosity (ASTM D4878)	1000-1400 cps	1000-1400 cps

Shelf life @ 77 °F /25 °C	12 Months.	12 Months.
	Unopened container	Unopened container
PROCESSING PROPERTIES (Under standard lab conditions)		
Mix Ratio V/V	1:1	
Pot Life @ 75°F/ 50% R.H.	60 to 90 minutes	

MIXING:

Nukote M80 Prime should not be diluted under any circumstance. The volume mixing ratio: 1 unit Part-A black liquid to 1 Part-B white liquid. Nukote M80 Prime Part-B should be thoroughly mixed prior to combining to ensure a homogeneous material. The combined components should be thoroughly blended using a mechanical mixer at slow speed or for at least 5 minutes if mixed by hand.

SURFACE PREPARATION:

Metal:

All surfaces should be clean and free from contamination. The surface should be assessed and treated in accordance with ISO 8504, Abrasive blast the surface to minimum NACE-2/SSPC SP-10/Sa 2.5, as per ISO 8501-1, for a visual assessment of surface cleanliness with an anchor profile of 3 to 4 mils (75 -100 microns). Soluble salts must be removed to an acceptable levels. *Refer to NCSI surface preparation manual for detailed procedures for different types of substrates.*

APPLICATION:

Remove all contaminants, oil and grease from substrate. Nukote M80 Prime should be applied at the rate of 1 gallon (3.78L) (mixture of part-A & part-B)/300sq. ft. (27.87 m2). It can be applied using an airless sprayer, brush, or phenolic resin core roller. Allow the primer to become nearly tack free before applying the coating. Recommended surface temperature should be greater than 50°F (10 °C). If Nukote M80 Prime is allowed to dry completely, re-prime the surface before proceeding. Nukote M80 Prime is sensitive to heat and moisture. Higher temperatures and/or high humidity will significantly accelerate the cure time and decrease pot life. Use caution in batch sizes and thickness of application. Low temperature and/or low humidity extend the cure time.

EQUIPMENT CLEAN UP:

Cured product may be disposed of without restriction. Containers should be disposed of according to local environmental laws and ordinances.

LIMITATIONS:

Nukote M80 Prime is not UV stable and cannot withstand direct wear or abrasion. Containers that have been open must be mixed and used within 20 minutes. Nukote M80 Prime is difficult to clean up after it has cured.

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.