



TECHNICAL DATA SHEET

NRX™ Polyurethane

PRODUCT DESCRIPTION

Low VOC, aliphatic urethane coating: **NRX™ PU**

PRINCIPAL CHARACTERISTICS

- Exceptional chemical, abrasion & impact resistance
- Low odor aliphatic waterborne urethane
- Low VOC, under 6 grams per liter

Physical properties		
Number of components		Two
Percent solids	By volume	52%
Pot life	75°F & 50% RH	1 hour
Linear shrinkage	ASTM C-883	Nil
Hardness, Shore D		73
Indentation	MIL-D-3134F	No Chipping
Elongation	ASTM D-638	35%
Abrasion resistance	ASTM D-40601	33 mg loss

STORAGE

- For best shelf life, store **NRX™ PU** in a dry area at temperatures between 50°F and 90°F. Protect product from freezing. Minimum shelf life is six months from date of manufacture, when properly stored.

LIMITATIONS

- Avoid use where ambient operating temperatures exceed 200°F.

INSTRUCTIONS FOR USE

Mixing ratio is 3 parts “A” to 1 part “B” by volume

Application of Urethane Topcoat

- Mixing should be done with a Jiffy Mixer and a low speed drill (maximum 650 rpm to avoid bubbling) for a minimum of 2 minutes. Be sure to premix **NRX™ PU** Part “A” before mixing with Part “B” as settling may occur during shipping and storage. Mix ratio is 3 Parts A to 1 Part B by volume.
- Apply the coating with a sturdy, long handled, roller frame and a 3/8” napped, non-shedding roller cover. Keep coating even and consistent. A standard 1 gallon mix should cover approximately 320 sq.ft. Working time is approximately 1 hour at 75°F.

Note: The **NRX™ PU** will turn white when mixed. Once applied the product will turn clear as it cures. Do not re-roll once material has started turning clear as foaming (milky appearance) can occur. Although the pot life for **NRX™ PU** is longer than one hour, we recommend that the mixed material be used in less than one hour for best durability and performance.



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Return to service

- *NRX™ PU* should cure for twenty-four (24) hours at 75° F, 50% RH. Low temperatures and high humidity levels can retard these cure times dramatically.

Clean up

- While wet, the *NRX™ PU* can be cleaned using hot soapy water. Fully dried *NRX™ PU* can only be removed by mechanical means such as sanding or grinding.