

## Macekote NT-126-Z • Zero NMP, Nano-Engineered PUD

### KEY FEATURES

- Nano Technology Engineered PUD
- Outstanding abrasion resistance
- Excellent mechanical & chemical resistance
- Good adhesion & weatherability
- Super mar & scuff resistance
- Crosslinked properties without crosslinker
- Zero NMP
- Early resistance properties

### DESCRIPTION & USES

Macekote NT-126Z is a unique, zero NMP, aliphatic Nano-Engineered aqueous polyurethane dispersion with unusual chemical and abrasion resistance. Additional coalescing solvents are recommended to achieve optimal film formation. Coatings made with NT-126Z consistently outperform single package urethanes as well as many crosslinked systems with its superb alkali and solvent resistance. NT-126Z yields clear, glossy films that have exceptional hardness. NT-126Z is cross-linkable with polyaziridine or carbodiimide for enhanced performance properties. NT-126Z is zero NMP version of our popular Macekote NT 447 nano-PUD. With zero NMP, Macekote NT-126Z is especially suited for “green” (environmentally sensitive) markets or anytime strong durability, high abrasion and chemical resistance are required such as in wood finishes and automotive coatings.

### PHYSICAL PROPERTIES

<b>Chemical Class</b>	Aliphatic polyester
<b>Wet appearance</b>	Translucent
<b>Viscosity cps</b>	200-600
<b>Solids %</b>	35 ± 1%
<b>pH</b>	7.80 – 8.80
<b>Water %</b>	51.3
<b>Voc g/l calculated</b>	288
<b>Modulus PSI</b>	NA <sup>1</sup> (not brittle)

<sup>1</sup> Modulus at 100% elongation, if elongation is less than 100% then Modulus information is not applicable

<b>Tensile PSI</b>	9000
<b>Elongation %</b>	N/A <sup>2</sup> (not brittle)
<b>Gloss</b>	90
<b>Sward hardness</b>	60
<b>Freeze/ thaw stability</b>	yes
<b>Thermal stability</b>	yes
<b>Product density</b>	8.71 lbs/ gal
<b>Emulsion class</b>	Anionic

<sup>2</sup> Elongation reading was less than 5% and/ or did not register on the testing apparatus

### HANDLING & STORAGE

Store this product above 70°F and prevent from freezing. Consult SDS before use.

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