

Macekote NT-126 Z

Technical Data Sheet

Key Features

- Nano Technology Engineered PUD
- Outstanding abrasion resistance
- Excellent mechanical & chemical resistance
- Good adhesion and weather-ability
- Superb mar & scuff resistance
- Cross-linked properties w/o x-linker
- Zero NMP
- Early resistance properties

Description & Uses

Macekote NT-126 Z 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-126 Z consistently outperform single package urethanes as well as many crosslinked systems with its superb alkali and solvent resistance. NT-126 Z yields clear, glossy films that have exceptional hardness. NT-126 Z is cross-linkable with polyaziridine or carbodiimide for enhanced performance properties. NT-126 Z is zero NMP version of our popular Macekote NT 447 nano-PUD. With zero NMP, Macekote NT-126 Z 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:

Chemical Class	Aliphatic polyester	Tensile PSI	9,000
Wet Appearance (relates to particle size)	Translucent	Elongation %	N/A ¹ (not brittle)
Viscosity cps	200 – 600	Gloss	90
Solids %	35 ± 1 %	Sward hardness	89
pH	7.80 – 8.80	Freeze/thaw stability	Yes
Water %	51.3	Thermal stability	Yes
Voc g/l calculated	288	Product density	8.43 lbs/gal
Modulus PSI	N/A ² (not brittle)	Emulsion class	Anionic

¹ Elongation reading was less than 5% and/or did not register on the testing apparatus

² Modulus at 100% elongation, if elongation is less than 100% then Modulus information is Not Applicable (N/A)

Handling: Store this product above 70° F and prevent from freezing. See material safety data sheet before use. The technical data or recommendations are given to the best of our knowledge but carry no guarantee or acceptance of responsibility. This data sheet becomes invalid as soon as a new edition has been published. Please contact us for the latest version. Issue date 10/04.

Mace Company

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