

Armorthane NT 9187Z • Next Generation Nano-Engineered PUD

KEY FEATURES

- Bio-based and Zero NMP system
- Superior alkali and acid resistance uncrosslinked
- Exceptional moisture resistance uncrosslinked
- Outstanding abrasion and corrosion resistance uncrosslinked
- Super mar & scuff resistance uncrosslinked
- 1K system with 2K surface properties
- Resistance to alcohol and organic solvents upon thorough drying
- Yields clear, glossy films with exceptional hardness

DESCRIPTION & USES

Mace Armorthane NT 9187Z is our new, next-generation bio-based, aliphatic nano-engineered aqueous polyurethane dispersion with revolutionary abrasion and chemical resistance without the use of a crosslinker. Coatings made using Armorthane 9187Z consistently outperform many 2-part crosslinked systems with impervious, hard and tough films. Especially suited for “green” or environmentally sensitive applications requiring quick water and abrasion resistance development with durability, weatherability, impact and chemical resistance.

PHYSICAL PROPERTIES

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

¹ Modulus at 100% elongation, if elongation is less than 100% then Modulus information is not applicable

Tensile PSI	10,000+
Elongation %	N/A ² (not brittle)
Gloss	90
Sward hardness	NE
Freeze/ thaw stability	yes
Thermal stability	yes
Product density	8.43 lbs/ gal
Emulsion class	Anionic

² 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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