

Macekote NT-150

Technical Data Sheet

Key Features

- Nano-Engineered PUD
- Outstanding abrasion resistance
- Excellent chemical resistance
- Good adhesion and weather-ability
- Superb mar & scuff resistance
- Crosslinked properties in 1 pack system
- Clear and glossy films
- Excellent impact resistance

Description & Uses

Macekote NT-150 is a unique aliphatic, fine particle size, Nano-Engineered aqueous polyurethane dispersion that successfully incorporates nano-technology for greatly enhanced chemical and abrasion resistance. Coatings made with NT-150 consistently outperform single package urethanes and give the performance properties of a two package crosslinked system with superb alkali & solvent resistance. NT-150 produces clear, glossy, dry/slick films that are extremely hard but not brittle. NT-150 can be crosslinked to improve early solvent resistance properties. NT-150 is based on our popular Macekote 8539 resin known for its unique performance and excellent durability. Macekote NT-150 is used for demanding high performance applications such as wood finishes and automotive coatings because of its high abrasion and chemical resistance and gloss retention.

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 – 800	Gloss	90
Solids %	35 ± 1 %	Sward hardness	89
pH	7.50 – 8.50	Freeze/thaw stability	Yes
Water %	51.3	Thermal stability	Yes
Voc g/l calculated	303	Product density	8.68 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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Mace Adhesives & Coatings Co., Inc. 38 Roberts Road, P.O. Box 37, Dudley, MA 01571
Toll free 888-205-8126 Phone 508-943-9052 Fax 943-6527 Email info@maceco.com