

Macekote 8539

Technical Data Sheet

Key Features

- Excellent mechanical & chemical resistance
- Outstanding abrasion resistance
- High/low temp resistance, weatherability
- Good adhesion as a one part system
- Superb mar & scuff resistance
- Excellent impact resistance
- Clear and glossy films
- Crosslinkable

Description & Uses

Macekote 8539 is an aliphatic, polyester based, low particle size, aqueous polyurethane dispersion. Macekote 8539 is one of our hardest polyurethanes giving clear, glossy, dry/slick films with good adhesion characteristics and superb alkali and solvent resistance. Macekote 8539 is designed for rigid & flexible substrates and used as a base or top coat on wood, vinyl, plastic, paper, metal and other substrates. Macekote 8539 is known for its unique rheology and crosslinked performance in a single package product (though, if optimum performance is desired you can add our C70 Crosslinker at 4% by weight on a wet basis).

Physical Properties

Chemical Class	Aliphatic polyester	Tensile PIS	9,000
Wet Appearance (relates to particle size)	Translucent	Elongation %	N/A ¹ (not brittle)
Viscosity cps	200 – 800	Modulus PSI	N/A ² (not brittle)
Solids %	35 ± 1%	Sward hardness	89
pH	7.50 – 8.50	Gloss	91
Water %	51.3	Thermal stability	yes
Voc g/l calculated	292	Product density	8.51 lbs/gal
Freeze/thaw stability	yes	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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The Polyurethane Specialists

Specializing in Custom Design & Manufacturing

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