

Macekote 8523

Technical Data Sheet

Key Features

- Tough, flexible films
- Co-solvent free
- Excellent chemical resistance
- Excellent adhesion properties
- Good binder for acrylics
- Crosslinkable

Description & Uses

Macekote 8523 is an fine particle aliphatic polyurethane dispersion in water. Macekote 8523 is one of our co-solvent free products. It produces durable films with a balance of flexibility and hardness. Macekote 8523 forms films with excellent adhesion and chemical resistance without the aid of coalescing agents. Used in applications such as coatings for textiles or leather to impart toughness while maintaining flexibility. You can enhance the performance of Macekote 8523 by using our C-70 crosslinker 4% by weight on wet basis.

Physical Properties

Chemical Class	Aliphatic polyether	Tensile PSI	4400
Wet Appearance (relates to particle size)	Translucent	Elongation %	500
Viscosity cps	750 – 1500	Gloss	83
Solids %	40 ± 2 %	Sward hardness	19
pH	7.80 – 8.80	Freeze/thaw stability	no
Water %	59.0	Thermal stability	no
Voc g/l calculated	23 (estimated residual TEA)	Product density	8.39 lbs/gal
Modulus PSI	870	Emulsion class	Anionic

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
EST. 1965

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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