

Macekote 240 H

Technical Data Sheet

Key Features

- Good film formation in humid conditions
- Outstanding abrasion resistance
- High/low temp resistance, weatherability
- High adhesion to difficult substrates
- Superb mar & scuff resistance
- Excellent impact resistance
- Clear and glossy films
- Crosslinkable

Description & Uses

Macekote 240 H is an aliphatic, polyester based, low particle size, aqueous polyurethane dispersion with hydroxyl functionality. Macekote 240 H is one of our hardest polyurethanes giving clear, glossy, dry films with excellent adhesion characteristics and superb alkali and solvent resistance when crosslinked with aziridine, carbodiimide, or water dispersible isocyanate systems such as Rhodia's WT 2102 or WAT (5% on a wet basis). Due to its high adhesion characteristics Macekote 240 H is used on rigid substrates such as vinyl, plastic, metal and other tough to adhere to surfaces. Coatings made with 240 H have excellent flexibility for impact resistance as well as good gloss retention.

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	290	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
EST. 1965

The Polyurethane Specialists

Specializing in Custom Design & Manufacturing

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