

Macekote 5545

Technical Data Sheet

Key Features

- Excellent mechanical stability
- Tough but flexible
- Hydrolytically stable
- Yields dry, non tacky films
- Resists mildew
- Crosslinkable

Description & Uses

A fully reacted aliphatic polyether polyurethane polymer supplied as a fine particle size dispersion in water with a low level of co-solvent. Upon drying, Macekote 5545 forms very hard and clear films with excellent hydrolysis resistance and good adhesion properties. Typical end use applications include top coatings for rigid & flexible substrates including wood, paper, plastics, leather and metal. Macekote 5545 is a high performance waterbased coating designed to replace traditional solvent based coatings. Using our C-70 crosslinker 4% by weight on wet basis enhances the performance of Macekote 5545 even more.

Physical Properties

Chemical Class	Aliphatic polyether	Tensile PSI	6300
Wet Appearance (relates to particle size)	Translucent	Elongation %	250
Viscosity cps	50 -- 350	Gloss	90
Solids %	35 ± 1 %	Sward hardness	44
pH	7.50 – 8.50	Freeze/thaw stability	>5 cycles
Water %	60.0	Thermal stability	yes
Voc g/l calculated	126	Product density	8.42 lbs/gal
Modulus PSI	3570	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

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The Polyurethane Specialists

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