

Macekote 195 Z

Technical Data Sheet

Key Features

- Zero NMP hard & tough PUD
- Outstanding abrasion resistance
- Excellent mechanical & chemical resistance
- Good adhesion and weather-ability
- Superb mar & scuff resistance
- Cross-linked properties w/o x-linker
- For use in “Green” markets
- Excellent early resistance properties

Description & Uses

Macekote 195 Z is a zero NMP, aliphatic, aqueous polyurethane dispersion with unusual chemical and abrasion resistance. Additional coalescing solvents are recommended to achieve optimal film formation. Coatings made with Macekote 195 Z consistently outperform single package urethanes as well as many crosslinked systems with its superb alkali and solvent resistance. On proper coalescing, Macekote 195 Z yields clear, glossy, dry films that get extremely hard rapidly. Macekote 195 Z is cross-linkable with polyaziridine or carbodiimide for enhanced performance properties. 195 Z is zero NMP version of our popular workhorse, Macekote 8539 PUD. With zero NMP, Macekote 195 Z is especially suited for “Green” (environmentally sensitive) markets or anytime strong durability, high abrasion and chemical resistance are required such as in wood finishes and automotive coatings.

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	150 – 250	* Gloss	90
Solids %	35 ± 1 %	*Sward hardness	89
pH	8.90 – 9.10	Freeze/thaw stability	Yes
Water %	45.5	Thermal stability	Yes
Voc g/l calculated	2264	Product density	8.47 lbs/gal
*Modulus PSI	N/A ² (not brittle)	Emulsion class	Anionic

* on completely coalesced films 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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