

# Macekote 9612

## 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 9612 is an aliphatic, polyester based, aqueous polyurethane supplied as a low particle size dispersion. Macekote 9612 is a moderately hard polyurethane giving clear, glossy, dry/slick films with good adhesion characteristics and superb alkali and solvent resistance. Designed for rigid & flexible substrates, used as a base or top coat on wood, vinyl, plastic, paper, metal and other substrates. Using Mace C-70 crosslinker 4% by weight on wet basis enhances the performance of Macekote 9612 even more.

### Physical Properties

<b>Chemical Class</b>	Aliphatic polyester	<b>Tensile PSI</b>	4500
<b>Wet Appearance</b> (relates to particle size)	Translucent	<b>Elongation %</b>	250
<b>Viscosity</b>	200 – 800	<b>Modulus PSI</b>	3600
<b>Solids %</b>	35 ± 1 %	<b>Sward hardness</b>	70
<b>pH</b>	7.50 – 8.50	<b>Freeze/thaw stability</b>	yes
<b>Water %</b>	49.7	<b>Thermal stability</b>	yes
<b>Voc g/l calculated</b>	314	<b>Gloss</b>	94
<b>Product density</b>	8.49 lbs/gal	<b>Emulsion class</b>	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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