

# Macekote 8538 • Aliphatic Polyester-based PUD

## KEY FEATURES

- Forms tough but flexible films
- Excellent impact resistance & weatherability
- Superior adhesion even as a one-part system
- Clear, glossy, dry films
- Thermosetting films when baked
- Crosslinkable

## DESCRIPTION & USES

Macekote 8538 is an aliphatic polyester based polyurethane supplied in water. The product is a low particle size dispersion that produces a very hard polymer film with excellent alkali resistance and adhesion characteristics. Typical end uses include exterior and interior coatings for wood, plastic, metal and other rigid or flexible substrates. You can enhance the performance of Macekote 8538 by using our C-70 crosslinker 4% by weight on wet basis.

## PHYSICAL PROPERTIES

<b>Chemical Class</b>	Aliphatic polyester
<b>Wet appearance</b>	Translucent
<b>Viscosity cps</b>	200-800
<b>Solids %</b>	35 ± 1%
<b>pH</b>	7.50 – 8.50
<b>Water %</b>	49.8
<b>Voc g/l calculated</b>	315
<b>Modulus PSI</b>	NA <sup>1</sup>

<b>Tensile PSI</b>	9461
<b>Elongation %</b>	38
<b>Gloss</b>	91
<b>Sward hardness</b>	66
<b>Freeze/ thaw stability</b>	yes
<b>Thermal stability</b>	yes
<b>Product density</b>	8.52 lbs/ gal
<b>Emulsion class</b>	Anionic

<sup>1</sup> Modulus at 100% elongation, if elongation is less than 100% then Modulus information is not applicable

## HANDLING & STORAGE

Store this product above 70°F and prevent from freezing. Consult SDS before use.

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**Mace Polymers & Additives Inc.**  
A COMPANY OF PROTEX INTERNATIONAL

38 Roberts Road (PO Box 1517), Dudley, MA 01571  
(508) 943-9052 • [info@maceco.com](mailto:info@maceco.com) • [www.maceco.com](http://www.maceco.com)