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## Hauthane HD-2117 DMM

**DESCRIPTION:** An extremely hard, NMP-free, APEO-free, aliphatic, polyester-based, aqueous polyurethane dispersion with exceptional chemical and early water-resistance properties.

**SUGGESTED USES:** **HD-2117 DMM** was designed for topcoat applications on a wide variety of substrates, including concrete, metal, plastic and wood. HD-2117 DMM produces films with exceptional adhesion to aluminum, excellent leveling properties and high levels of chemical resistance.

**CHARACTERISTICS:** Contains dipropylene glycol dimethyl ether (DMM) co-solvent  
Outstanding water and chemical resistance  
Fast early water resistance development  
Can be crosslinked to enhance performance

**APPLICATION:** **HD-2117 DMM** can be used as a sole resin vehicle or blended with acrylic emulsions for spray or rotogravure applications. Rheology modifications can be made with associative thickeners for alternative application methods.

**DRYING:** **HD-2117 DMM** may be dried at ambient temperatures with supplemental co-solvent addition of 5% DPM or DPnB on total formulation weight. Typical oven drying temperatures and dwell times for aqueous coatings are sufficient to produce optimal film properties without additional co-solvent.

### PHYSICAL PROPERTIES

<b>SOLIDS</b>	34% ( $\pm 1\%$ )
<b>VISCOSITY</b>	200-1000 cps
<b>pH</b>	7.5-10.0
<b>DENSITY</b>	8.7 lbs/gal
<b>SOFTENING POINT</b>	350°F
<b>VOC CONTENT</b>	98 g/l (as supplied)

### TENSILE PROPERTIES

(TESTED AT 2 INCHES/MINUTE)

	<b>ELONGATION</b>
	50%
	<b>TENSILE STRENGTH</b>
>4850 psi	
<b>100% MODULUS</b>	NA
<b>200% MODULUS</b>	NA
<b>300% MODULUS</b>	NA