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## Hauthane HD-2107 DMM

**DESCRIPTION:** A hard, NMP-free, APEO-free, aliphatic, polyester-based, aqueous polyurethane dispersion with an exceptional balance of properties.

**SUGGESTED USES:** **HD-2107 DMM** was designed for topcoat applications on a wide variety of substrates, including concrete, metal, plastic and wood.

**CHARACTERISTICS:**

- Exceptional balance of toughness, abrasion- and mar-resistance
- Outstanding water and chemical resistance
- Excellent exterior weathering performance
- Can be crosslinked to enhance performance
- Dilution and clean-up with ordinary tap water
- Contains dipropylene glycol dimethyl ether (DMM) co-solvent

**APPLICATION:** **HD-2107 DMM** can be used as a sole vehicle or blended with acrylic emulsions for spray or rotogravure applications. Rheology modifications can be made with associative thickeners for alternative application methods.

**DRYING:** The addition of coalescing solvent is recommended to achieve optimal film formation with **HD-2107 DMM**. In ambient-cured systems the addition of 5-10% DPnB coalescing solvent is suggested. Less coalescing solvent is required in heat-cured systems to attain comparable film properties. Typical drying temperatures and dwell times for aqueous coatings are sufficient to produce optimal film properties.

### PHYSICAL PROPERTIES

<b>SOLIDS</b>	35% (± 1%)
<b>VISCOSITY</b>	50-300 cps
<b>pH</b>	8.5-10.0
<b>DENSITY</b>	8.7 lbs/gal
<b>SOFTENING POINT</b>	335° F
<b>VOC CONTENT</b>	67 g/l (as supplied)
<b>SWARD HARDNESS</b>	44

### TENSILE PROPERTIES\*\*

(TESTED AT 20 INCHES/MINUTE)

<b>ELONGATION</b>	
210 %	
<b>TENSILE STRENGTH</b>	
6800 psi	
<b>100% MODULUS</b>	4900 psi
<b>200% MODULUS</b>	6750 psi
<b>300% MODULUS</b>	NA

\*\*Films are coalesced with 5% DPM to ensure optimal film formation.

