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## Hauthane HD-2142 DMM

**DESCRIPTION:** An NMP-free, APEO-free, aliphatic, polyester-based, water-borne polyurethane dispersion.

**SUGGESTED USES:** **HD-2142 DMM** was developed for use on flexible and rigid PVC, and treated polypropylene film. Coatings containing this polymer form hard, tough, hydrolysis-, chemical- and stain-resistant films. Superior adhesion to PVC makes it the ideal candidate for vinyl sheet goods, automotive interior parts, vinyl furniture and components.

**CHARACTERISTICS:**

- Superior adhesion to PVC and treated polypropylene film
- Excellent UV resistance
- Exceptional alcohol resistance
- Humidity resistance
- Contains dipropylene glycol dimethyl ether (DMM) co-solvent

**APPLICATION:** **HD-2142 DMM** may be used as a sole vehicle or blended with acrylic emulsions. Viscosity modification can be made with associative thickeners for application via spray, knife-over-roll, or other methods.

**DRYING:** The addition of coalescing solvent is recommended to achieve optimal film formation with **HD-2142 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 oven drying temperatures and dwell times for aqueous coatings are sufficient to produce optimal film properties.

### PHYSICAL PROPERTIES

**SOLIDS** 35% (±1%)

### TENSILE PROPERTIES

(TESTED AT 2 INCHES/MINUTE)

<b>VISCOSITY</b>	50-1000 cps
<b>DENSITY</b>	1.05 kg/l
<b>pH</b>	7.5 - 10.0
<b>SOFTENING POINT</b>	NA
<b>VOC CONTENT</b>	91 g/l (as supplied)

<b>ELONGATION</b>	185 %
<b>TENSILE STRENGTH</b>	31 MPa
<b>100% MODULUS</b>	24 MPa
<b>200% MODULUS</b>	NM
<b>300% MODULUS</b>	NM

*HD-2142 DMMcl-EC*

*Revised 6/21*