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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:

- Forms tough, abrasion- and mar-resistance films
- 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

SOLIDS	35% (\pm 1%)
VISCOSITY	50-500 cps
pH	7.0-9.5
DENSITY	1.04 kg/l
SOFTENING POINT	177° C
VOC CONTENT	65 g/l (as supplied)

TENSILE PROPERTIES**

(TESTED AT 20 INCHES/MINUTE)

ELONGATION	
235 %	
TENSILE STRENGTH	
48 MPa	
100% MODULUS	33 MPa
200% MODULUS	46 MPa
300% MODULUS	NA

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

