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Hauthane HD-2117

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

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

CHARACTERISTICS:

Outstanding water and chemical resistance
Fast early water resistance development
Can be crosslinked to enhance performance
Dilution and clean-up with ordinary tap water
Contains n-methyl pyrrolidone (NMP) co-solvent

APPLICATION: **HD-2117** 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: **HD-2117** 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

SOLIDS	35%(+/- 1%)
VISCOSITY	50-150 cps
pH	8.5-10.0
DENSITY	8.7 lbs/gal
SOFTENING POINT	350°F
VOC CONTENT	134 gm/l
SWARD HARDNESS	NA

TENSILE PROPERTIES

(TESTED AT 20 INCHES/MINUTE)

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