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Hauthane HD-3016

DESCRIPTION: A hard, aromatic, economical, co-solvent free, aqueous polyurethane dispersion.

SUGGESTED USES: **HD-3016** was designed for topcoat applications on a wide variety of substrates, including concrete, metal, plastic and wood. HD-3016 is the best candidate for price-sensitive, performance-oriented applications where UV yellowing can be tolerated.

CHARACTERISTICS:

- ▶ Contains no co-solvent
- ▶ Most economical grade
- ▶ Outstanding water and chemical resistance
- ▶ High melting point
- ▶ Aromatic - Will yellow with UV and or heat exposure.

APPLICATION: **HD-3016** can be used as a sole vehicle or blended with acrylic emulsions for spray, dip, or rotogravure applications. It can be thickened with associative thickeners for alternative application methods.

CURING: Due to the co-solvent free nature of **HD-3016**, the addition of coalescing solvent is recommended to achieve optimal film formation. In ambient-cured systems the addition of 5-10% 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 optimize film characteristics.

PHYSICAL PROPERTIES

SOLIDS	40% (± 1%)
VISCOSITY	50-150 cps
pH	7.0-9.0
DENSITY	8.8 lbs/gal
SOFTENING POINT	320°F
VOC CONTENT	19 gm/l

TENSILE PROPERTIES

(TESTED AT 2 INCHES/MINUTE)	
ELONGATION	195%
TENSILE STRENGTH	4800 psi
100% MODULUS	3400 psi
200% MODULUS	NA
300%MODULUS	NA