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Hauthane HD-4675

- DESCRIPTION:** A hard, co-solvent free, aliphatic, polyester polyurethane dispersion.
- SUGGESTED USES:** **HD-4675** was designed for topcoat applications on a wide variety of substrates, including concrete, metal, plastic and wood.
- CHARACTERISTICS:**
- ▶ Contains no co-solvent
 - ▶ Produces clear, durable films with low levels of co-solvent (<100 g/l)
 - ▶ Excellent non-yellowing properties
 - ▶ Good water and chemical resistance
 - ▶ Produces tough, abrasion and mar resistant films
- APPLICATION:** **HD-4675** can be used as supplied or blended with acrylic emulsions for spray, dip or rotogravure applications. It can be thickened with associative thickeners for knife-over-roll or similar methods.
- CURING:** Due to the co-solvent free nature of **HD-4675**, 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	38% (± 1%)
VISCOSITY	50-500 cps
pH	7.0-9.5
DENSITY	8.7 lbs/gal
SOFTENING POINT	345°F
VOC CONTENT	<12 gm/l
SWARD HARDNESS	46

TENSILE PROPERTIES

(TESTED AT 2 INCHES/MINUTE)	
ELONGATION	190 %
TENSILE STRENGTH	>5900 psi
100% MODULUS	4400 psi
200% MODULUS	NA psi
300% MODULUS	NA psi