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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

<b>SOLIDS</b>	38% (±1%)
<b>VISCOSITY</b>	50-500 cps
<b>pH</b>	7.0-9.5
<b>DENSITY</b>	8.7 lbs/gal
<b>SOFTENING POINT</b>	345°F
<b>VOC CONTENT</b>	12 gm/l (as supplied)
<b>SWARD HARDNESS</b>	46

### TENSILE PROPERTIES

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