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Hauthane HD-4664

DESCRIPTION: A medium soft, high solids, co-solvent free, aliphatic, polyurethane dispersion.

SUGGESTED USES: **HD-4664** was designed as a high solids, multi-purpose textile binder polymer. It may be used as a blending resin for harder polyurethane polymers to impart greater film flexibility. A balanced composition provides good stability with acrylic latices and confers superior strength, abrasion resistance and low temperature flexibility properties.

CHARACTERISTICS:

- ▶ High solids (50%)
- ▶ Contains no co-solvent
- ▶ Medium soft, tough, dry film
- ▶ Superior abrasion resistance
- ▶ Exceptional low temperature flexibility and crack resistance

APPLICATION: **HD-4664** can be used as a sole vehicle or blended with acrylic emulsions for spray or pad bath applications. Solids can be reduced with water to optimize dry coating weight. This product may also be thickened with associative thickeners for knife-over-roll or similar methods.

CURING: **HD-4664** can be air dried, if desired, depending on film thickness. Typical drying temperatures and dwell times for aqueous coatings are sufficient to produce optimal film properties.

PHYSICAL PROPERTIES

SOLIDS	50% (+/- 1%)
VISCOSITY	200-800 cps
pH	7.5-10.0
DENSITY	8.8 lbs/gal
SOFTENING POINT	310°F
VOC CONTENT	12 gm/l
SWARD HARDNESS	14

TENSILE PROPERTIES

(TESTED AT 20 INCHES/MINUTE)	
ELONGATION	625%
TENSILE STRENGTH	>6000 psi
100% MODULUS	800 psi
200% MODULUS	1100 psi
300% MODULUS	1500 psi