

Hauthane HD-2007

- DESCRIPTION:** An aliphatic, polyester-based, aqueous polyurethane dispersion.
- SUGGESTED USES:** **HD-2007** was designed primarily for topcoat applications where excellent abrasion resistance is required. **HD-2007** can be blended with HD-2001 (a softer grade) to achieve intermediate properties for flexible and rigid substrates including plastics, metals and textiles.
- CHARACTERISTICS:**
- < Dries to a clear, glossy film
 - < Outstanding toughness and abrasion resistance.
 - < Dilution and clean up of wet material with water.
 - < Crosslinkable for improved adhesion and performance.
 - < Contains n-methyl pyrrolidone co-solvent
- APPLICATION:** **HD-2007** can be used as a sole vehicle or blended with acrylic emulsions for spray or rotogravure applications. **HD-2007** may be thickened with associative thickeners for alternative application methods.
- DRYING:** **HD-2007** 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	35%(+/- 1%)
VISCOSITY	50-150 cps
pH	7.5-9.0
DENSITY	8.7 lbs/gal
SOFTENING POINT	325EF
VOC CONTENT	105 gm/l
SWARD HARDNESS	38

TENSILE PROPERTIES

(TESTED AT 20 INCHES/MINUTE)	
ELONGATION	250%
TENSILE STRENGTH	>6000 psi
100% MODULUS	2700 psi
200% MODULUS	4200 psi
300% MODULUS	NA