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## Hauthane HD-2209

**DESCRIPTION:** An aliphatic, polyester-based, aqueous polyurethane dispersion designed to produce unequaled clarity and gloss.

**SUGGESTED USES:** **HD-2209** was designed for wood finishing applications, but it can be used on a wide variety of both rigid and flexible substrates. Use wherever gloss and clarity are of paramount importance.

**CHARACTERISTICS:**

- < Wet look gloss
- < Glass-like clarity
- < Mirror like definition-of-image
- < Adhesion to a wide variety of substrates: wood, plastics, textiles
- < Dilution and clean up with ordinary tap water
- < Contains n-methyl pyrrolidone (NMP) co-solvent

**APPLICATION:** **HD-2209** can be used as a sole vehicle or blended with acrylic emulsions for spray or rotogravure applications. It may be thickened with associative thickeners for alternative application methods.

**CURING:** **HD-2209** can be air-dried. Typical drying temperatures and dwell times for aqueous coatings are sufficient to produce optimal film properties.

### PHYSICAL PROPERTIES

<b>SOLIDS</b>	35% ( $\pm$ 1%)
<b>VISCOSITY</b>	50-150 cps
<b>pH</b>	7.5-10
<b>DENSITY</b>	8.8 lbs/gal
<b>SOFTENING POINT</b>	330°F

### TENSILE PROPERTIES

(TESTED AT 20 INCHES/MINUTE)

<b>ELONGATION</b>	330 %
<b>TENSILE STRENGTH</b>	>7300 psi
<b>100% MODULUS</b>	3500 psi
<b>200% MODULUS</b>	5000 psi

**VOC CONTENT** 132 g/l (as supplied)  
**SWARD HARDNESS** 42

**300% MODULUS** 6700 psi

*HD-2209cl*

*Revised 5/04*