

C. L. Hauthaway & Sons Corporation  
638 Summer Street Lynn, MA 01905-2092

781 592-6444  
www.hauthaway.com

## Hauthane HD-4669

- DESCRIPTION:** A hard, co-solvent free, aliphatic, aqueous polyurethane dispersion.
- SUGGESTED USES:** **HD-4669** was designed for topcoat applications on a wide variety of substrates, including concrete, metal, plastic and wood.
- CHARACTERISTICS:**
- < Contains no co-solvent
  - < Extreme toughness, abrasion and mar resistance
  - < Outstanding water and chemical resistance
  - < High melting point
  - < Can be crosslinked to enhance performance
- APPLICATION:** **HD-4669** can be used as a sole vehicle or blended with acrylic emulsions for spray, dip or rotogravure applications. It may be thickened with associative thickeners for alternative application methods.
- CURING:** Due to the co-solvent free nature of **HD-4669**, the addition of coalescing solvent is recommended to achieve optimal film formation. Heat curing will also improve film properties. Typical drying temperatures and dwell times for aqueous coatings are sufficient to optimize film characteristics.

### PHYSICAL PROPERTIES

<b>SOLIDS</b>	40% ( $\pm 1\%$ )
<b>VISCOSITY</b>	50-150 cps
<b>pH</b>	7.0-9.0
<b>DENSITY</b>	8.7 lbs/gal
<b>SOFTENING POINT</b>	365°F
<b>VOC CONTENT</b>	14 gm/l (as supplied)
<b>SWARD HARDNESS</b>	48

### TENSILE PROPERTIES

(TESTED AT 2 INCHES/MINUTE)	
<b>ELONGATION</b>	270%
<b>TENSILE STRENGTH</b>	>6300 psi
<b>100% MODULUS</b>	3600 psi
<b>200% MODULUS</b>	5200 psi
<b>300% MODULUS</b>	NA