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## Hauthane HD-2015

**DESCRIPTION:** A branched, aliphatic, co-solvent free, polyether-based, aqueous polyurethane dispersion.

**SUGGESTED USES:** **HD-2015** was designed for a variety of coating and adhesive applications where the chemical- and thermal-resistance of a crosslinked system are required, but the use of a multiple component system is neither feasible nor desirable.

**CHARACTERISTICS:**

- < Contains no co-solvent
- < Produces medium hard, tough films
- < Polymer branching improves film resistance properties
- < Dries to clear, glossy film
- < Dilution and cleanup with water

**APPLICATION:** **HD-2015** can be used as a sole vehicle or blended with acrylic emulsions for spray or rotogravure applications. Rheology modifications can be made with associative thickeners for alternative application methods.

**CURING:** **HD-2015** 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

<b>SOLIDS</b>	35%(± 1%)
<b>VISCOSITY</b>	30-500 cps
<b>pH</b>	7.0-9.5
<b>DENSITY</b>	8.6 lbs/gal
<b>SOFTENING POINT</b>	325°F
<b>VOC CONTENT</b>	16 g/l
<b>SWARD HARDNESS</b>	20

### TENSILE PROPERTIES

(TESTED AT 20 INCHES/MINUTE)

<b>ELONGATION</b>	440%
<b>TENSILE STRENGTH</b>	>4500 psi
<b>100% MODULUS</b>	1550 psi
<b>200% MODULUS</b>	2150 psi
<b>300% MODULUS</b>	2900 psi