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## Hauthane HD-2504

**DESCRIPTION:** A very hard, NMP-free/APEO-free, polycarbonate-based, aliphatic, waterborne polyurethane dispersion.

**SUGGESTED USES:** **HD-2504** was developed for general coatings use where exceptional resistance to hydrolysis, oxidation and UV degradation is required. HD-2504 is ideally suited for exterior applications where film durability and longevity are important considerations.

**CHARACTERISTICS:**

- < Superior chemical and stain resistance
- < Excellent exterior weathering durability
- < Excellent humidity resistance
- < Contains dipropylene glycol dimethyl ether co-solvent

**APPLICATION:** **HD-2504** may be used as a sole vehicle or blended with acrylic emulsions for application by conventional or air-assisted spray equipment. It may be thickened with associative thickeners to attain desired application rheology.

**CURING:** **HD-2504** may be air dried at ambient temperatures with the addition of 7 – 8% DPnB coalescing solvent. For thermal curing 5–7% DPnB co-solvent addition is recommended. Typical oven 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>	50-500 cps
<b>DENSITY</b>	1.06
<b>pH</b>	7.5 - 10.0
<b>VOC CONTENT</b>	75 g/l (as supplied)
<b>VOC CONTENT</b>	190 g/l (less water)
<b>SOFTENING POINT</b>	350°F
<b>SWARD HARDNESS</b>	50

### TENSILE PROPERTIES

(TESTED AT 2 INCHES/MINUTE)

<b>ELONGATION</b>	100 %
<b>TENSILE STRENGTH</b>	7800 psi
<b>100% MODULUS</b>	5200 psi
<b>200% MODULUS</b>	NA
<b>300% MODULUS</b>	NA

