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Hauthane HD-2503

DESCRIPTION: A polycarbonate-based, aliphatic, water-borne polyurethane dispersion.

SUGGESTED USES: **HD-2503** was developed for general coatings use on wood, plastic and metal substrates. The product offers exceptional resistance to hydrolysis, oxidation and UV-degradation. HD-2503 is ideally suited for exterior applications where film durability and longevity are important considerations.

CHARACTERISTICS:

- < Excellent exterior weathering durability
- < Excellent humidity resistance
- < Contains n-methyl pyrrolidone co-solvent

APPLICATION: **HD-2503** may be formulated into coatings applied by spray, brush or pad applicator. It can be used as a sole vehicle or blended with acrylic emulsions. The rheology may be modified with associative thickeners.

CURING: Typical oven drying temperatures and dwell times for aqueous coatings are sufficient to produce optimal film properties. Enhanced film properties can be obtained when this product is crosslinked with any of a variety of external crosslinking agents.

PHYSICAL PROPERTIES

SOLIDS	35 (±1%)
VISCOSITY	50-500 cps
DENSITY	1.06
pH	7.5 - 10.0
VOC CONTENT	126 g/l (as supplied)
SOFTENING POINT	355°F
SWARD HARDNESS	42

TENSILE PROPERTIES

(TESTED AT 20 INCHES/MINUTE)	
ELONGATION	210 %
TENSILE STRENGTH	6825 psi
100% MODULUS	4700 psi
200% MODULUS	6600 psi
300% MODULUS	NA