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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

SOLIDS	35% (±1%)
VISCOSITY	50-500 cps
DENSITY	1.06
pH	7.5 - 10.0
VOC CONTENT	75 g/l (as supplied)
VOC CONTENT	190 g/l (less water)
SOFTENING POINT	350°F
SWARD HARDNESS	50

TENSILE PROPERTIES

(TESTED AT 2 INCHES/MINUTE)	
ELONGATION	100 %
TENSILE STRENGTH	7800 psi
100% MODULUS	5200 psi
200% MODULUS	NA
300% MODULUS	NA