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Hauthane HD-4680

DESCRIPTION: A hard, TEA-free, co-solvent free, aliphatic, aqueous polyurethane dispersion

SUGGESTED USES: **HD-4680** was designed for topcoat applications on a wide variety of substrates, including concrete, metal, plastic and wood.

CHARACTERISTICS:

- ☐ Contains no co-solvent
- < Contains no TEA
- ☐ Extreme toughness, abrasion- and mar-resistance
- ☐ Outstanding water and chemical resistance
- ☐ Can be crosslinked to enhance performance

APPLICATION: **HD-4680** 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-4680**, the addition of coalescing solvent is recommended to achieve optimal film formation. Typically, 3 – 5% DPM or a blend of DPM/DPnB is suggested. Heat curing will also improve film properties. Typical drying temperatures and dwell times for aqueous coatings are sufficient to optimize film characteristics.

PHYSICAL PROPERTIES

SOLIDS	35% (±1%)
VISCOSITY	50-500 cps
pH	7.5-10.0
DENSITY	8.7 lbs/gal
SOFTENING POINT	365°F
VOC CONTENT	37 g/l (as supplied)

TENSILE PROPERTIES

(TESTED AT 2 INCHES/MINUTE)

ELONGATION	200 %
TENSILE STRENGTH	>5,300 psi
100% MODULUS	3,600 psi
200% MODULUS	5,200 psi
300% MODULUS	NA

