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Hauthane HD-3820

DESCRIPTION: A formulated, aliphatic, polyurethane topcoat which produces a soft, silky feel at low gloss levels.

SUGGESTED USES: **HD-3820** is designed to impart a soft, rich textured coating on surfaces such as paper board, plastic films, molded rigid plastic parts and other smooth surfaces.

CHARACTERISTICS:

- * Soft, silky feel
- * Low gloss
- * Can be crosslinked to enhance performance
- * Forms a film at room temperature
- * Low VOC: <50 g/l less water

APPLICATION: **HD-3820** may be used alone or in combination with other polyurethane dispersion resins or additives. It may be applied by rotogravure, wire wound rod and spray.

CURING: **HD-3820** can be air-dried. Typical drying temperatures and dwell times for aqueous coatings are sufficient to produce optimal film properties. **HD-3820** may be crosslinked with carbodiimides, water-dispersible isocyanates or polyaziridines to further enhance performance properties.

PHYSICAL PROPERTIES*

SOLIDS	35% (\pm 1)
VISCOSITY	500-1500 cps
pH	7.5-10
DENSITY	8.6 lbs/gal
SOFTENING POINT	325 F
VOC CONTENT	43 g/l (less water) 15 g/l (as supplied)

TENSILE PROPERTIES

(TESTED AT 20 INCHES/MINUTE)	
ELONGATION	700 %
TENSILE STRENGTH	2100 psi
100% MODULUS	360 psi
200% MODULUS	480 psi
300% MODULUS	600 psi

*Provisional specifications and tensile properties