

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

SUGGESTED USES: **HD-3830** 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, slick feel
- * Low gloss
- * Can be crosslinked to enhance performance
- * Forms a film at room temperature
- * Low VOC: <50 g/l less water

APPLICATION: **HD-3830** 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-3830** can be air-dried. Typical drying temperatures and dwell times for aqueous coatings are sufficient to produce optimal film properties. **HD-3830** may be crosslinked with carbodiimides, water-dispersible isocyanates or polyaziridines to further enhance performance properties.

PHYSICAL PROPERTIES*

SOLIDS	35% (±1)
VISCOSITY	500-1500 cps
pH	7.5-10
DENSITY	1.05g/ml
SOFTENING POINT	NA
VOC CONTENT	40 g/l (less water) 14 g/l (as supplied)

TENSILE PROPERTIES

(TESTED AT 20 INCHES/MINUTE)	
ELONGATION	500 %
TENSILE STRENGTH	7 MPa
100% MODULUS	3 MPa
200% MODULUS	3 MPa
300% MODULUS	4 MPa

SPECIAL NOTE: Mix well before removing product from containers. Container lids must be re-sealed tightly with the plastic header film after each use.

STORAGE STABILITY: The product must be stored in a controlled environment between 5 – 40°C and protected from direct exposure to sunlight. Shelf-life is 1 year from manufacture date (see lot # for date).

This information is believed to be accurate but is not guaranteed and we assume no legal responsibility for its accuracy. User should test the product to determine its suitability for their particular purpose. Nothing presented here is to be construed as a recommendation or inducement to use our product. We shall not be liable for any claims for damages, whether based on contract, negligence, and strict liability in tort or otherwise. Our products are sold without any implied warranty of merchantability or fitness for a particular purpose.

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