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## Hauthane HD-3810

**DESCRIPTION:** An aliphatic, polyurethane topcoat which produces a soft, rubbery feel at low gloss levels.

**SUGGESTED USES:** **HD-3810** 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, rubbery/grabby feel
- \* Inherently low gloss without the use of external flatteners
- \* Silicone-free
- \* Can be crosslinked to enhance performance
- \* Forms a film at room temperature
- \* Low VOC: <50 g/l less water

**APPLICATION:** **HD-3810** 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-3810** can be air-dried. Typical drying temperatures and dwell times for aqueous coatings are sufficient to produce optimal film properties. **HD-3810** may be crosslinked with carbodiimides, water-dispersible isocyanates or polyaziridines to further enhance performance properties.

### PHYSICAL PROPERTIES\*

<b>SOLIDS</b>	35% ( $\pm 1$ )
<b>VISCOSITY</b>	500-1500 cps
<b>pH</b>	7.5-10
<b>DENSITY</b>	8.6 lbs/gal
<b>SOFTENING POINT</b>	NA
<b>VOC CONTENT</b>	47 g/l (less water) 16 g/l (as supplied)

### TENSILE PROPERTIES

(TESTED AT 20 INCHES/MINUTE)	
<b>ELONGATION</b>	550 %
<b>TENSILE STRENGTH</b>	1600 psi
<b>100% MODULUS</b>	385 psi
<b>200% MODULUS</b>	480 psi
<b>300% MODULUS</b>	600 psi

\*Provisional specifications and tensile properties