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Hauthane L-2942

DESCRIPTION: An NMP-free, APEO-free, aliphatic, polyester-based, water-borne polyurethane dispersion.

SUGGESTED USES: L-2942 was developed for use on flexible and rigid PVC, and treated polypropylene film. Coatings containing this polymer form hard, tough, hydrolysis-, chemical- and stain-resistant films. Superior adhesion to PVC makes it the ideal candidate for vinyl sheet goods, automotive interior parts, vinyl furniture and components.

CHARACTERISTICS:

- Superior adhesion to PVC and treated polypropylene film
- Excellent UV resistance
- Exceptional alcohol resistance
- Humidity resistance
- Contains dipropylene glycol dimethyl ether (DMM) co-solvent

APPLICATION: L-2942 may be used as a sole vehicle or blended with acrylic emulsions. Viscosity modification can be made with associative thickeners for application via spray, knife-over-roll, or other methods.

DRYING: The addition of coalescing solvent is recommended to achieve optimal film formation with L-2942. In ambient-cured systems the addition of 5-10% DPnB coalescing solvent is suggested. Less coalescing solvent is required in heat-cured systems to attain comparable film properties. Typical oven drying temperatures and dwell times for aqueous coatings are sufficient to produce optimal film properties.

PHYSICAL PROPERTIES

SOLIDS	35% ($\pm 1\%$)
VISCOSITY	50-1000 cps
DENSITY	1.05 kg/l
pH	7.5 - 10.0
SOFTENING POINT	
VOC CONTENT	91 g/l (as supplied)

TENSILE PROPERTIES

(TESTED AT 2 INCHES/MINUTE)	
ELONGATION	185 %
TENSILE STRENGTH	31 MPa
100% MODULUS	24 MPa
200% MODULUS	NM
300% MODULUS	NM