

Hauthane L-3415 (Experimental Product)

Established 1852

- DESCRIPTION:** A VOC-free, non-ionic, UV-curable polyurethane dispersion.
- SUGGESTED USES:** **L-3415** is designed for UV-cured wood and plastic topcoat applications where highly chemical- and abrasion-resistant films are required.
- CHARACTERISTICS:**
- < VOC-free, APEO surfactant free
 - < Non-ionic stabilization
 - < Excellent chemical and stain resistance
 - < Superior abrasion resistance
 - < Fast water release properties
- APPLICATION:** **L-3415** may be applied by spray or gravure methods. UV irradiation is required to attain fully crosslinked properties.
- CURING:** **L-3415** must be air-dried, or oven dried (temperature: 150 – 170° F; dwell time: 10 minutes) to remove water from the film prior to UV exposure. A photo-initiator must be incorporated into the coating formulation for effective curing. See starting point formulations for suggestions. Exposure guidelines: MPMA lamp - 300 watts/in², 15 second dwell.

PHYSICAL PROPERTIES

SOLIDS	35± 1%	
VISCOSITY	20-200 cps	
pH	4.0-8.0	
DENSITY	8.7 lbs/gal	
SOFTENING POINT	Uncured: 280°F	Cured: >500°F
VOC CONTENT	0 g/l (as supplied)	0 g/l (less water)
SWARD HARDNESS	After UV curing - 43	

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 – 35°C and protected from direct exposure to sunlight. Shelf-life is 1 year from manufacture date (see lot # for date).

TRANSPORTATION: It is highly recommended that a temperature-controlled shipping container and truck be used for transporting the product.

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