

C. L. Hauthaway & Sons Corporation
592-6444
638 Summer Street Lynn, MA 01905-2092

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www.hauthaway.com

Hauthane HD-6002 DMM

DESCRIPTION: An NMP-free, APEO-free, polycarbonate-based, hydroxyl-functional, aliphatic, water-borne polyurethane dispersion.

SUGGESTED USES: **HD-6002 DMM** was developed for use with water-dispersible, isocyanate crosslinkers such as Covestro's Bayhydur 302 or Vencorex's Easaqua X D 401. The product, when crosslinked provides tough, chemical resistant, glossy coatings which may be applied to a variety of substrates including concrete, metals, plastics and wood materials. This product exhibits superior chemical resistance, while maintaining excellent flexibility and gloss retention characteristics.

CHARACTERISTICS:

- Superior chemical resistance
- < Excellent exterior weathering durability
- < Excellent humidity resistance
- < Contains dipropylene glycol dimethyl ether (DMM) co-solvent

APPLICATION: **HD-6002 DMM** crosslinked with water-dispersible isocyanates may be spray applied using single-component equipment. The workable potlife is approximately 4 hours at the suggested crosslinker ratio of 1.5 to 1.0 NCO / OH.

CURING: **HD-6002 DMM**, crosslinked with a water-dispersible isocyanate, will dry to a hard film in 30 minutes at ambient room temperature (65–70°F) and humidity (RH 50%). Ultimate cured properties will take 3-5 days to develop. If heat is available, the ultimate properties can be attained in shorter time. Typical oven drying temperatures and dwell times for aqueous coatings are sufficient to produce optimal film properties.

PHYSICAL PROPERTIES

TENSILE PROPERTIES

SOLIDS

35 (±1%)

(TESTED AT 20 INCHES/MINUTE)

VISCOSITY 50-500 cps
DENSITY 8.8 lbs/gal
pH 7.5 - 10.0
VOC CONTENT 122 g/l (as supplied)
VOC CONTENT 274 g/l (less water)
OH EQUIVALENT WT. 4,000 (as supplied)

ELONGATION 220 %
TENSILE STRENGTH 6500 psi
100% MODULUS 3900 psi
200% MODULUS NA
300% MODULUS NA

HD-6002 DMMcl

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