



TECHNICAL DATA SHEET

G-Cure® 110A77 An acrylic polyol (27-0110)

General description:

G-Cure 110A77 is a hydroxyl functional acrylic copolymer designed to produce low VOC, high performance coatings. Coatings with an application VOC of 2.8 – 3.2 lbs/gal can be produced. At room temperature, G-Cure 110A77 will readily crosslink with aliphatic polyisocyanates to produce coatings that exhibit excellent exterior durability and superior gloss retention characteristics.

Technical features:

1. Superior gloss retention
2. Excellent exterior durability
3. 2.8 – 3.2lbs/gal VOC coatings

Suggested uses:

1. Medium/light-duty maintenance and industrial coatings
2. Railcar and various transportation coatings

Delivery form: 77.0% non-volatile in Methyl n-Amyl Ketone

Typical properties:

Property	Value	Units	Method *
Non-volatile, by weight	77.5 ± 1.5	%	1 – 1
Viscosity, Brookfield (77°F)	5000 – 8000	cps	2 – 2
Hydroxyl value (on n.v.)	102 – 122		6 – 1
Color	100 maximum	APHA	3 – 2
Appearance	clean, clear and free from extraneous matter: may turn opaque when stored below 30°F: if this occurs, warm above 40°F until clear		7 – 1

*SDM: Nuplex Resins methods of determination (available on request)

HEW on n.v.: 500
Density: 8.80 ± 0.10lbs./gal. Non-volatiles, by vol.: 70.0%
Flash point: 101 °F Setaflash

On DSL Inventory

Recommended Reaction Ratios: 650 gm G-Cure 110A77/ 191 gm Tolonate HDT(Rhodia)
650 gm G-Cure 110A77/ 194 gm Desmodur N-3300 (Bayer)

Updated: June, 2008

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