



TECHNICAL DATA SHEET

G-Cure® 177BL70 An acrylic polyol (17-0178)

General description:

G-Cure 177BL70 acrylic resin is a **fast-dry** hydroxyl functional acrylic copolymer designed to produce low VOC high performance coatings. Coatings with an application VOC of 3.0 lbs/gal can be produced. It will react at room temperature with aliphatic polyisocyanates to give excellent application properties. Coatings formulated with G-Cure 177BL70 exhibit excellent chemical and weathering resistance with very good gloss retention.

Technical features:

1. Fast dry and 3.0 lbs/gal VOC coatings
2. Excellent chemical and weathering resistance
3. Very good gloss retention

Suggested uses:

1. Heavy-duty maintenance and industrial coatings
2. Railcar, bridge and heavy equipment coatings

Delivery form: 70.0% non-volatile in n-butyl acetate

Typical properties:

Property	Value	Units	Method *
Non-volatile, by weight	70.0 ± 1.5	%	1 – 1
Viscosity, Brookfield (77°F)	1500 – 2500	cps	2 – 2
Hydroxyl value (on n.v.)	114 – 129		6 – 1
Color	200 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.: 460
Density: 8.80 ± 0.10lbs./gal. Non-volatiles, by vol.: 64.1%
Flash point: 81 °F Setaflash

On DSL Inventory

Recommended Reaction Ratios: 655 gm G-Cure 177BL70/ 191 gm Tolonate HDT (Rhodia)
655 gm G-Cure 177BL70/ 194 gm Desmodur N-3300 (Bayer)

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