



## TECHNICAL DATA SHEET

### G-Cure® 870BLX50

An acrylic polyol (17-0870)

#### General description:

G-Cure 870BLX50 acrylic resin is a hydroxyl functional acrylic resin designed to react at room temperature with aliphatic polyisocyanates to produce high performance coatings. Coatings formulated with G-Cure 870BLX50 have fast lacquer-like dry, but provide long potlife due to controlled reactivity. The cured films exhibit excellent durability and good chemical resistance. This performance is achieved even though low levels of polyisocyanates need to be used.

#### Technical features:

1. Lower NCO demand
2. Excellent durability and good solvent resistance
3. Fast dry with long potlife

#### Suggested uses:

1. High quality furniture finishes
2. Fleet refinishing applications and recreational equipment coatings

**Delivery form:** 50.0% non-volatile in n-butyl acetate/ xylene (50/ 50 pbw)

#### Typical properties:

Property	Value	Units	Method *
Non-volatile, by weight	50.0 ± 2.0	%	1 – 1
Viscosity, Brookfield (77°F)	3000 – 5000	cps	2 – 2
Hydroxyl value (on n.v.)	60 – 75		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.: 822  
Density: 8.40 ± 0.10lbs./gal. Non-volatiles, by vol.: 42.0%  
Flash point: 81°F Setflash

*On DSL Inventory*

**Recommended Reaction Ratios:** 1645 gm G-Cure 870BLX50/ 255 gm Tolonate 75BX(Rhodia)  
1645 gm G-Cure 870BLX50/ 255 gm Desmodur N-75 (Bayer)

**Updated:** June, 2008

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