



TECHNICAL DATA SHEET

G-Cure® 109A75 An acrylic polyol (27-0109)

General description:

G-Cure 109A75 acrylic resin is a hydroxyl functional acrylic copolymer designed to produce low VOC, high performance coatings. Pigmented coatings with an application VOC of 2.8 lbs/gal can be produced. At room temperature, G-Cure 109A75 will readily crosslink with aliphatic polyisocyanates to produce coatings that exhibit excellent chemical and weathering resistance. G-Cure 109A75 is an excellent pigment wetting resin that is also designed for high crosslink density.

Technical features:

1. Excellent pigment wetting
2. Excellent chemical and weathering resistance
3. 2.8 lbs/gal VOC coatings

Suggested uses:

1. Heavy-duty maintenance and industrial coatings

Delivery form: 75.0% non-volatile in Methyl n-Amyl Ketone

Typical properties:

| Property | Value | Units | Method * |
|------------------------------|---|-------|----------|
| Non-volatile, by weight | 75.0 ± 1.5 | % | 1 – 1 |
| Viscosity, Brookfield (77°F) | 8000 – 12000 | cps | 2 – 2 |
| Hydroxyl value (on n.v.) | 123 – 143 | | 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.: 420
Density: 8.70 ± 0.10lbs./gal. Non-volatiles, by vol.: 69.0%
Flash point: 101 °F Setaflash

On DSL Inventory

Recommended Reaction Ratios: 560 gm G-Cure 109A75/ 191 gm Tolonate HDT(Rhodia)
560 gm G-Cure 109A75/ 194 gm Desmodur N-3300 (Bayer)

Updated: June, 2008

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