

INTRODUCTION

G-CURE 17-0806 (formerly G-CURE 806BL60) acrylic resin is a hydroxyl functional acrylic copolymer designed to react at room temperature with aliphatic polyisocyanates to produce high performance coatings. Coatings formulated with G-CURE 17-0806 exhibit outstanding durability, chemical resistance and color retention. Coatings produced with G-CURE 17-0806 are suitable for metal, wood and plastic, particularly when heat sensitivity is a concern.

TYPE

Acrylic Polyol

FORM OF DELIVERY (F.O.D.)

60.0% non-volatile in n-butyl acetate

PRODUCT DATA

Non-Volatile, by wt:	61.0 ± 1.0 %
Viscosity, Brookfield (77° F):	2000 – 4000 cps
Hydroxyl value, on n.v. (theoretical):	85 – 95
Color:	100 maximum APHA
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
Density:	8.50 ± 0.10 lbs/gal
HEW on n.v.:	625
Non-volatiles, by vol:	55.0%
Flash Point:	81° F Setflash

PERFORMANCE HIGHLIGHTS

- Excellent chemical resistance and color retention
- Highly weatherable, durable and flexible

SUGGESTED USES

- Automotive refinish
- Construction machinery, recreational and furniture coatings
- Industrial maintenance coatings

STORAGE

At temperatures up to 100°F storage stability packed in original containers amounts for 3 years.

CURING WITH POLYISOCYANATES

Based on 100% conversion of reactive groups the following equation can be used to calculate the quantity of polyisocyanate needed for crosslinking 100 parts (Setalux 17-0806) (on solids):

$$\text{Polyisocyanate (f.o.d.)} = \frac{42 \times 100 \times \text{OH\% (solid resin)}}{17 \times \text{NCO\% (f.o.d.)}}$$

42 = molecular weight of the NCO-group

17 = molecular weight of the OH-group

Anhydrous solvents as well as solvents free of hydroxyl functional groups should be used in the presence of polyisocyanates, as dilution solvents.

PRECAUTIONS

Before using G-CURE 17-0806, see the Safety Data Sheet (SDS) for information on the identified hazards of the material and the recommended personal protective equipment and procedures.

STORAGE AND HANDLING

Care should be taken not to expose the product to high temperature conditions, direct sunlight, ignition sources, oxidizing agents, alkalis or acids. Storage and handling should be in stainless steel, amber glass, amber polyethylene or baked phenolic lined containers. Wash thoroughly after handling. Keep container tightly closed. Use with adequate ventilation. See the SDS for the recommended storage temperature range for G-CURE 17-0806.