

CAPCURE® 3830-81

USE

CAPCURE® 3830-81 is a medium viscosity, catalyzed mercaptan epoxy curing agent designed specifically for rapid cure in the 3 to 5 minute range at room temperature. CAPCURE® 3830-81 may be used both, as a sole curing agent or as an accelerator for amine and amide or amido-amine curative chemistries. The fast-set characteristics of this product over a wide temperature range (30 °F to 100 °F) offers utility in industrial, coatings, civil engineering and fast-set adhesive application areas.

PROVIDES

- Excellent low-temperature capability
- Rapid Cures
- Thin Film Cures
- Excellent acceleration
- Low toxicity

TYPICAL APPLICATIONS

- Consumer Patch Kits
- Road Marker Adhesives
- Industrial Adhesives
- Jewelry and Craft Adhesive Cure
- Acceleration of Epoxy Adhesive Cure

TYPICAL PROPERTIES

Color, Gardner	1.2 max.
Gel Time, Minutes @ 25 °C	2.75 – 3.75
Moisture, Dean Stark, Wt %	0.3 max.
Viscosity, Brookfield, cP @ 25 °C.....	10,000-16,000

CAPCURE® 3830-81 (cont.)

APPLICATION PROPERTIES

Formulation

Epoxy Resin (DGEBA EEW 185 - 200)	100 parts
Capcure® 3830-81	100 parts

Properties

Gel Time, minutes	4
Glass Transition Temp, Tg, °C	34
Hardness after 15 Minutes, Shore D	83
Tensile Strength, psi	7800
Elongation, %	4.5
Compressive Strength, psi	9800
Lap Shear Adhesion on Aluminum, psi	2800
Tack Free - Thin Film, minutes	9

Specimens cured 7 days at room temperature prior to testing

REGULATORY STATUS

TSCA (USA), DSL (Canada), PICCS (Philippines), AICS (Australia), ENCS/MITI (Japan),
IECSC (China), EINECS (EU)

PACKAGING, STORAGE AND HANDLING

CAPCURE® 3830-81 is shipped in lined tighthead 55 gallon (500 lbs. net) steel drums.
CAPCURE® 3830-81 should be kept in tightly closed containers when not in use and
stored in a cool, dry place. Additional handling information is contained in a material
safety data sheet which is available on request.

SHIPPING POINT

Ashtabula, Ohio