

# CAPCURE® 40 secHV

## USE

CAPCURE® 40 SEC HV is a mercaptan-based epoxy hardener which, when used in a 1:1 ratio with a standard bisphenol A epoxy resin (DGEBA EEW 190), provides gel time of 40 seconds, in a 20 gram mass at 25 °C. CAPCURE® 40 SEC HV provides the fastest cure of mercaptan curing agents, improves bonds to glass and metal, and eliminates induction times of polyamides and amido-amines. CAPCURE® 40 SEC HV is precatyzed and as such requires no additional compounding prior to use, other than the incorporation of fillers or diluents if desired. Extremely rapid-setting epoxy hardener at ambient temperature.

## PROVIDES

- Extremely Rapid Cures
- Excellent adhesion to glass and metals
- Serves as a catalyst or co-curing agent
- Excellent low-temperature capability
- Rapid set in thin films

## TYPICAL APPLICATIONS

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

## TYPICAL PROPERTIES

Color, Gardner .....	4.0 max.
Gel Time, Seconds @ 25 °C .....	30 - 50
Moisture, Dean Stark, Wt % .....	0.3 max.
Viscosity, Brookfield, cP @ 25 °C.....	8000-15000
Density, g/ml @ 25 °C .....	1.15

## CAPCURE® 40 secHV (cont.)

### APPLICATION PROPERTIES

#### Formulation

Epoxy Resin (DGEBA EEW 185 - 200)	100 parts
Capcure® 40 secHV	100 parts

#### Properties

Gel Time, seconds	40
Hardness after 15 Minutes, Shore D	83
Tensile Strength, psi	4500
Elongation, %	3.9
Compressive Strength, psi	8000
Flexural Strength, psi	6100

Specimens cured 7 days at room temperature prior to testing

### REGULATORY STATUS

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

### PACKAGING, STORAGE AND HANDLING

CAPCURE® 40 secHV is shipped in lined tighthead 55 gallon (500 lbs. net) steel drums. CAPCURE® 40 secHV 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