



CAPCURE[®] 40 SEC HV

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 precatalyzed 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.

Features

- Excellent adhesion to glass and metals, especially to copper-containing alloys such as brass and bronze.
- Simple proportioning of 1:1 epoxy/hardener ratio. Ideal for two-component mixing/metering equipment for assembly line use. Other ratios may be used to achieve desired properties.
- Can be used as a catalyst or as co-curing agent for other epoxy hardeners, where it will impart properties typical of mercaptans and exhibit improved adhesion.
- Fast cure results in greater productivity.

Gabriel Performance Products

725 State Road
Ashtabula, OH 44004
866-800-CHEM (2436) or 440-992-3230
<http://www.gabepro.com>



Important: The information presented herein, while not guaranteed, was prepared by technical personnel and is true and accurate to the best of our knowledge. No warranty or guarantee, express or implied, is made regarding performance, stability or otherwise. This information is not intended to be all-inclusive as the manner and conditions of use, handling, storage and other factors may involve other or additional safety or performance considerations. While our technical personnel will be happy to respond to questions regarding safe handling and use procedures, safe handling and use remains the responsibility of the customer. No suggestions for use are intended as, and nothing herein shall be construed as a recommendation to infringe any existing patents or to violate any Federal, State or local laws.



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- Excellent low-temperature capability
- Rapid set in thin films.

Typical Applications

- Consumer Patch Kits
- Road Marker Adhesives
- Industrial Adhesives
- Jewelry and Craft Adhesive Cure
- Accelerator for other Epoxy Hardeners

Specifications

Color, Gardner	4.0 max.
Gel Time, Seconds @ 25 °C	30 – 50
Specific Gravity	1.05 - 1.25
Viscosity, Brookfield, cP @ 25 °C	8000-15000

Application Properties of a Cured System

Formulation

Epoxy Resin (DGEBA EEW 185 - 200)	100
Capcure [®] 40 SEC HV	100

Properties

Gel Time, seconds	40
Tensile Strength, psi	4500
Elongation, %	3.87
Flexural Strength, psi	6100
Compressive Strength, psi	8000

Specimens cured 7 days at room temperature prior to testing

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Regulatory Status

TSCA (USA), DSL (Canada), AICS (Australia),
ECL (Korea), IECSC (China), EINECS (EU)

Packaging, Storage and Handling

Capcure[®] 40 SEC HV is shipped in lined tighthead 55 gallon (480 lbs. net) steel drums. Capcure[®] 40 SEC HV 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

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