



广州格凌新材料股份有限公司  
Guangzhou Green New Materials Co., Ltd.

## **Mercaptan based hardener**

## **Approx. gel time 90 seconds**

Guangzhou Green & Guangzhou Faith is a major supplier of mercaptan & mercaptan based hardeners in China. Over the years, we have been consolidating our position as a technological leader in China market for rapid cure mercaptan systems. The company's capability to offer customized solution has enabled it to continuously expand its line of products and services to the industrial adhesives, consumer adhesives, water-borne electrical insulation paint and various other sectors.

## **Product Description**

Mercaptan based epoxy hardener GL-1802 is a modified polymeric mercaptan that provides gel time of approximately 90 seconds with a standard Bisphenol A epoxy resin mixed at a 1:1 ratio at ambient and low temperatures. With improved adhesion to many different substrates, this 90 seconds mercaptan curing agent can be used as catalyst or co-curing material in rapid curing epoxy systems.

## **Applications**

- DIY Consumer Patch Kits
- Silicon Slices Cutting Glue for Photovoltaic Industry
- Rapid Repair Adhesive
- Process Adhesive for Industrial Assembly
- Road Marker Adhesives
- Industrial Adhesive
- Jewelry and Craft Adhesive Cure
- Acceleration for Amines or Amide Chemistries

## **Features**

- Rapid cure in Thin Films
- Low Temperature Cure
- Low Toxicity
- Excellent Color

## **Typical Properties**

Property	Value
Color, Gardner	2.0 Max
Viscosity(Brookfield) at 25°C, cP	10,000-16,000
Mixing ratio with epoxy resin(E51/128)	1:1
Gel time at 25°C	90 seconds

## Storage

Mercaptan based hardener GL-1802 should be stored in a dry place, in its sealed original container, at temperatures between 10°C - 30°C. Under these storage conditions the shelf life is 24 months from date of manufacture. The product should not be exposed to direct sunlight.

## Package

25kg/drum, 220kg/drum