

## EPOXY ADHESIVE CHE05

### Product Description:

CHE05 is a two-component, fully transparent, fast-curing epoxy structural adhesive that cures at room temperature in five minutes.

### Typical Applications:

Mainly used for bonding metals, ceramics, wood, cement, and glass. Especially suitable for rapid structural bonding.

### Typical Properties:

#### **Component A**

|                         |                            |
|-------------------------|----------------------------|
| Chemical Type:          | Epoxy Resin                |
| Appearance:             | Transparent viscous liquid |
| Specific Gravity (25℃): | 1.1                        |
| Viscosity (25℃ Pa.s):   | 10-15                      |
| Flash Point (℃):        | >93                        |

#### **Component B**

|                         |                            |
|-------------------------|----------------------------|
| Chemical Type:          | Polythiol                  |
| Appearance:             | Transparent viscous liquid |
| Specific Gravity (25℃): | 1.1                        |
| Viscosity (25℃ Pa.s):   | 13-18                      |
| Flash Point (℃):        | >93                        |

### After Mixing:

|                             |                            |
|-----------------------------|----------------------------|
| Appearance:                 | Transparent viscous liquid |
| Specific Gravity (25℃):     | 1.1                        |
| Mixing Ratio: Weight Ratio: | 1:1                        |
| Volume Ratio:               | 1:1                        |

### Typical Curing Performance:

|                       |    |
|-----------------------|----|
| Tack-free time (min): | <5 |
|-----------------------|----|

Typical Cured Properties, 22℃:

(Cured on sanded aluminum for 24 hours/22℃)

|                 |        |
|-----------------|--------|
| Shear Strength: | 10 MPa |
| Shore Hardness: | 80D    |

### Instructions for use:

1. For best bonding results, the surface should be clean, free of oil, and any other contaminants.
  2. Apply the adhesive to the surface of the materials to be bonded. To ensure maximum adhesive strength, ensure even application.
  3. Mixing must be completed within 3-4 minutes.
  4. During application, the mixed adhesive should not remain in the mixing device for more than 5 minutes.
    - Instructions for using the cartridge applicator:  
Remove the end cap and attach the static mixing nozzle. Insert the cartridge into the dispensing gun. Pull the trigger; the epoxy resin will be thoroughly mixed during application. It is not necessary to use all the epoxy resin in the cartridge at once. Do not remove the mixing nozzle from the cartridge after use. The mixing nozzle itself acts as a seal. Discard it and replace it with a new mixing nozzle for the next use.
    - Instructions for syringe application:  
Cut off the tip and apply the adhesive to the clean, dry mixing surface by pushing the plunger with consistent force on each surface to be bonded. Mix thoroughly.  
Store unused adhesive by removing the end cap from the plunger and inserting it into the end of the syringe.
  5. Application should be completed within 3 minutes. The larger the amount of adhesive mixed or the higher the temperature, the faster the curing.
  6. Join the parts to be bonded.
  7. Do not move before curing.
- If used at high temperatures, mix in batches.

### Packaging:

|                       |        |
|-----------------------|--------|
| Double cartridge..... | 50ml   |
| Double cartridge..... | 400ml  |
| Bottle.....           | 1000ML |
| Drum.....             | 20KG   |

### Storage Conditions:

Store in a cool, dry place at a temperature of 8-28 degrees Celsius in a sealed container. Shelf life is up to 24 months. Do not return removed adhesive to the original container to prevent contamination of the original liquid.

### Technical Service:

If you encounter other problems during use, please contact Cohui Technical Service Department.

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### Disclaimer

The data presented in this document was obtained under laboratory conditions. Due to variations in usage conditions, users should analyze and test the data in conjunction with their specific application requirements. Cohui Company does not guarantee the performance of Cohui products under specific operating conditions and assumes no liability for any direct, indirect, or incidental losses. If you encounter any problems during use, please contact Cohui Company's technical service department. We will provide you with all necessary assistance.