

Product Description

Bondchem E205 is a two component fast curing epoxy, that cures at room temperature to form a tough, rigid thermoset polymer. **E205** has high adhesion to a wide variety of substrates, and also offers excellent depth of cure. Once cured, the **E205** has high cohesive strength, and good environmental and shock resistance.

Typical Applications

Bondchem E205 is used widely as a structural adhesive in the composite, electronic, and DIY market sectors. Some typical uses of the **E205** are:

- Bonding fasteners onto the gel coat surface of fibreglass
- Potting and encapsulating sensors
- Bonding wood, metal and glass for furniture manufacture
- Fibreglass repairs and patches

Instructions For Use

1. Always consult MSDS before using **E205** for the first time.
2. Carry out surface preparation where required.*
3. Remove cap, and attach mixer nozzle.
4. Dispense sufficient adhesive to ensure equal mix.
5. Apply adhesive to one surface and assemble components carefully, clamping if required.
6. It is always easier to remove any excess adhesive prior to cure using a suitable cleaner.*
7. Allow the adhesive sufficient time to achieve handling strength before moving or unclamping components.

*(See *Bonchem Guide to Bonding* for full information and in depth usage instructions)

Properties of Uncured Material

Resin	Bisphenol A
Colour	Clear/Yellow
Viscosity	10,000cps
Mix Ratio	1:1
Cure System	Exothermic
Open Time	3-4 Minutes @20°C
Handling Strength	5-7 Minutes@ 20°C
Full Cure	24 hours @ 20°C

Performance of Cured Material

Shore Hardness	85 Shore D
Chemical Resistance	Good
Gap Fill	3mm
Temperature Range	-50°C to 60°C

Packaging

Bondchem E205 is available in 25ml, 50ml, and 400ml cartridges.

Storage & Shelflife

Bondchem E205 should be stored in a cool dry area, out of direct sunlight. Stored correctly, this grade can offer a 12 month shelf life from manufacture.

Health and Safety in Use

Bondchem E205 is an epoxy adhesive and should not be used without consulting the MSDS, which contains full information regarding the use of this product, including Transport, Disposal, Toxicological, Exposure Controls, Accidental Release and First Aid measures essential to the safe use of this product.