

# Super Epoxy

A TWO PART MULTIPURPOSE EPOXY ADHESIVE

## TECHNICAL DATA SHEET

### SMART ADVANTAGES

- FAST BONDING FOR QUICK REPAIRS
- VERSATILE BONDING ALMOST ANYTHING
- CLEAR SETTING

### DESCRIPTION

Bostik Super Epoxy is a high strength epoxy adhesive that enables fast permanent repairs to many surfaces, including fibreglass, concrete, glass, metals, wood, and some plastics. The two components are easily mixed to form a clear, waterproof and chemical resistant bond which is gap filling and capable of bonding poorly mated surfaces. Suitable for interior and exterior applications.

### APPLICATIONS

Ideal for emergency DIY repair work in and around the home such as repairing of figurines, costume jewellery, toys, broken ceramics, porcelain, bird baths and much more. It is ideal for handicraft applications and gluing of small parts where clamping is not possible.

### ADHESION

Bostik Super Epoxy bonds to metals, wood, glass, plaster, concrete, brick, granite, ceramic tiles, natural stone, rubber and some plastics such as fiberglass, polyacrylates, polycarbonates, ABS, and hard PVC.

### LIMITATIONS

- Not suitable where a flexible or elastic bond is required.
- Not suitable for applications requiring heat resistance above 80°C.
- Does not bond to some plastics such as polyethylene, polypropylene or Teflon.
- Not suitable for structural applications.
- Cured adhesive may yellow if exposed to sunlight over long periods.

### SAFETY INSTRUCTIONS

Bostik Super Epoxy is non-toxic, however, it is advisable to wear gloves in order to avoid direct skin contact. In the event of skin or eye contact, rinse thoroughly and immediately with water. Seek medical assistance if irritation or discomfort persists. Keep out of reach of children! Refer to our Safety Data Sheets for further toxicological information and comprehensive handling instructions.

### SURFACE PREPARATION

Surfaces must be clean, dry and free from all loose materials, dust, dirt, oil, rust and any other contaminants. Smooth surfaces such as metals, plastics and rubbers should be lightly abraded with sandpaper and degreased with a solvent. Glass should be cleaned with a solvent such as acetone or ethanol. Poor surface preparation may result in bond failure.



**HOW TO USE**

1. Ensure that the surfaces are prepared as above.
2. Use the reverse side of the lid to pierce the seal of the tube.
3. Extrude an equal quantity of the two components.
4. Mix these thoroughly with the spatula provided, until a homogenous mixture is obtained.
5. Only mix at one time, the amount that can be used within approx. 3 to 4 minutes.
6. Apply the mixture thinly to both surfaces to be bonded.
7. Join the two parts, and hold them together for approximately 15 minutes.
8. The glued object can be handled lightly after approx. 15 minutes. Allow 30 minutes before rough handling or machining. Setting times may be slower in cold conditions.
9. Full strength is achieved after 24 hours.

**CLEANING**

Fresh epoxy can be cleaned with acetone or thinners. Cured epoxy has to be removed mechanically with a sharp blade, by soaking with a commercially available paint stripper, or heated above 150°C.

**STORAGE STABILITY**

Bostik Super Epoxy has a shelf life of 12 months if stored in a safe, cool (below 25°C), and dry place in its original moisture-tight container. If the material is kept beyond the recommended shelf life, it is not necessarily unusable, but a check should be performed to observe whether the product is still workable.

**PRODUCT PACKAGING**

- 32ml Tubes (Two tubes – one resin one hardener)

**PRODUCT CHARACTERISTICS**

Type	Epoxy resin
Appearance	Clear viscous liquid
Density (g/cm <sup>3</sup> )	Approximately 1.2 g/cm <sup>3</sup>
Shore Hardness D	85
Solids (%)	100
Viscosity (cps)	Approximately 20000

**TYPICAL PERFORMANCE DATA**

Application temperature	5°C to 30°C
Work life	Approximately 5 minutes
Initial setting time	Approximately 15 minutes
Full cure	24 hours
Elongation at break (%)	4.5
Tensile strength (N/mm <sup>2</sup> )	50
Chemical resistance	Hydrocarbons, halocarbons, ketones, alcohols, esters, aqueous salt solutions, dilute acids and bases.
Temperature resistance	Approximately -20°C to 80°C
Water resistance	Waterproof

**DISCLAIMER**

The above information is only offered as a guide to the use of this product. Furthermore, users should satisfy themselves that it is suitable for their needs. Since we have no control over the conditions under which it is used, we cannot accept responsibility for the problems caused by the use and/or application of this product.

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