

EVO-STIK HARD & FAST TWO PART EPOXY RESIN ADHESIVE STICK.

Evo-Stik Hard & Fast is an easily worked, cold setting two-part epoxy resin putty. On curing, the putty provides a tough, durable grey coloured material which is dimensionally stable, resistant to chemical attack and can be painted. The usable life of the mixed putty is up to 3 minutes at 25°C.

USES

Evo-Stik Hard & Fast will form a strong bond with most structural materials such as metal, glass, most plastics, wood, dry concrete etc.

LIMITATIONS

- ◆ It is not intended for repairing or making items that are used for storing food or drink.
- ◆ Not suitable for bonding oven doors or car mirrors.
- ◆ Do not use on polyolefins (e.g. polythene or polypropylene).

BONDING INSTRUCTIONS

1. Always open and use adhesive products over a protected surface, and avoid contact with clothing. Preferably wear gloves to avoid contact with the skin.
2. Make sure surfaces are dry, clean and free from dust, corrosion, dirt and grease. For even better bonding slightly roughen surfaces with sandpaper.
3. Following the instructions on the back of the blister card. Twist or cut off the required amount of putty.
4. To mix, knead with fingers (**gloves recommended**) until the material is uniform in colour and streak free. If mixing is difficult, warm to room temperature.
5. Apply to a clean, dry surface, firmly working into any gaps.
6. For a smooth appearance hand rub with water or a damp cloth prior to the material hardening. A simple method to produce a smooth gloss finish is to press polythene

sheet onto the tacky surface. Allow the putty to cure and then peel off the sheet.

7. After 5 – 10* minutes the putty will harden like metal and start to form a strong repair. After 30 – 60 minutes the putty is cured and can be drilled or sanded. We recommend eye and respiratory protection if the material is being ground, drilled or sanded.

CLEANING

- ◆ Uncured resin/hardener mixtures can be cleaned from tools using cellulose thinners, acetone or Evo-Stik Adhesive Cleaner.
- ◆ Please note that solvents may attack some rubbers, plastics, painted surfaces, fabrics, etc.
- ◆ Bear this in mind if intending to use solvent to remove excess adhesive, and carry out a preliminary test first.
- ◆ Cured adhesive residues can usually be dissolved from tools by soaking in commercial paint stripper. Refer to the paint stripper manufacturer's instructions for use and safe handling.
- ◆ The adhesive may be removed from the skin using a suitable proprietary hand cleaner.
- ◆ Do not use solvents in contact with the skin.

*Exact setting times depend on temperature, quantity mixed and the temperature of the materials being bonded.

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- SHELF LIFE:** Two years when stored in the original unopened containers
- STORAGE:** Store under dry conditions between 5°C and 25°C.
- COLOUR:** Grey (When mixed)
- PACKAGING** Code: **320123** Blister Pack x6
- HEALTH AND SAFETY** Available separately in file named as the packaging code above.

TYPICAL ADHESIVE CHARACTERISTICS

	<u>RESIN</u>	<u>HARDENER</u>
Physical form:	Extruded Stick	Extruded Stick
Chemical type:	Epoxy Resin	Formulated Polyamine
Solids content:	100%	100%
Colour:	Grey	Black/Grey

Density (SG): 2.0 (When mixed)
Set time (pot life): About 3 minutes @ 25°C
Colour: Grey (When mixed)

TYPICAL PERFORMANCE CHARACTERISTICS

Temperature: -40°C to +120°C depending on conditions of use
Water: Good resistance.
Oil & Petrol: Good resistance.
Chemicals: Good resistance.
Sandability: Sandable when set. Please wear dust mask.
Paintability: Good.

Sales & Technical contacts at Bostik	Telephone	Facsimile	Email addresses
Sales	01785 272700	01785 241818	customer.service@bostik.com
Technical advice	01785 272727	01785 272867	technical.service@bostik.com
Technical Data & COSHH (MSDS) sheets	01785 272827	01785 212962	gatehouse@bostik.com

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