

Product Code: SFCON**TECHNICAL DATA SHEET****SUPERFAST**
CONCRETE STICK**Description**

Superfast Concrete Epoxy Putty Stick is a fast-setting, industrial-strength polymer compound formulated for the permanent repair and bonding of concrete, masonry and stonework.

It cures to form a light-grey material similar in appearance and texture to concrete. It is used to repair ornaments, statues and headstones which have broken apart. It seamlessly fill gaps and cracks in paths, steps and railings, and it can be used to seal tie-rod holes and anchor fastenings into concrete.

Superfast Concrete also provides high-strength bonding between concrete and metal, masonry, glass, wood and most types of plastic.

It is suitable for exterior or interior use, does not rust, and is resistant to water, chemicals and temperature extremes. It contains no solvents or VOCs, is non-flammable and releases no noxious fumes.

During application, the consistency of Superfast Concrete eliminates drips and runs, facilitates adhesion to the substrate and allows the material to be shaped and formed as needed before curing begins.

Superfast Concrete has a work life of approximately 5 minutes. Within 15-20 minutes it will harden to form a cohesive bond. After one hour, it will reach working strength. It achieves a full cure in 24 hours.

The cured material can be tapped, drilled, sawed, machined, ground, filed or painted. It will not shrink or pull away. Any unused epoxy stays fresh for future use when kept in its original packaging.

Sylmasta make all Superfast Concrete Sticks at their production plant in the United Kingdom, using the latest epoxy putty stick manufacturing technology. This guarantees fresh product, a reliable supply chain and reduced lead times.

Applications

- Filling holes in concrete paths, steps and tiles
- Repairing broken walls, statues, ornaments and headstones
- Bonding cracked concrete items back together
- Anchoring fasteners and sealing tie-rod holes

Advantages

- Repairs can be made in under one hour
- Easy to use – cut putty from stick, knead by hand, apply
- Bonds concrete to other materials
- Resembles the appearance and texture of concrete

**Directions for Use**

Each Superfast Concrete Stick contains pre-measured portions of activator and base in the correct 1:1 mix ratio. No measuring or mixing tools are necessary.

Wearing gloves, cut the required amount of putty from the stick and knead by hand. As the epoxy is mixed, the two contrasting colours blend into one to indicate mixing is complete.

Whilst soft, apply the putty to the surface undergoing repair or bonding. Force it into any holes or cracks which need filling. The putty can be smoothed using a wet finger or damp cloth prior to hardening. It is then left to cure.

Product Code: SFCON**TECHNICAL DATA SHEET****Technical Data**

Shelf life	24 months from date of manufacture
Working time	5 minutes at 22°C
Initial cure	15-20 minutes at 22°C
Working strength	1 hour at 22°C
Full cure	24 hours at 22°C
Service temperature	
Continuous	120°C
Intermittent	150°C
Shore D hardness	80 after full 24-hour cure
Lap shear strength (steel)	4.1 MPa
Compressive strength	83 MPa
Density	2.0 gm/cm ³ , 16.7 lb/gal
Shrinkage	<1%
Non-volatile content	100%
Electrical resistance	30,000 megohms
Dielectric strength	300 (volts/mil)
Chemical resistance	Resistant to hydrocarbons, ketones, alcohols, esters, halocarbons, aqueous salt solutions and dilute acids and bases.

Typical properties: for information only; not for specification purposes.

Packaging

Superfast Concrete is supplied in stick form wrapped in a clear release film. The stick has a nominal 20mm diameter. Single, finished sticks are cut to 175mm in length and weigh 114g each.

Product Code	Pack Size
SFCON-114g	114g

Other diameters and lengths are available on request. Please email sales@sylmasta.com to discuss your requirements.

Health & Safety

Superfast Concrete consists of epoxy resin and hardener systems, which are currently classified as hazardous materials. Wear rubber or plastic-coated gloves when handling Superfast Concrete. Please consult the individual Material Safety Data Sheet for more information.

Storage

Superfast Concrete should be stored out of direct sunlight in dry, frost free conditions of temperatures between 15°C and 20°C. Under such conditions, shelf life will be 24 months from date of manufacture.

Disclaimer

Whilst all reasonable care is taken in compiling technical data on the Sylmasta products, all recommendations or suggestions regarding the use of such products are made without guarantee, since the conditions of use are beyond the control of the Sylmasta. It is the customer's responsibility to satisfy themselves that each product is fit for the purpose for which they intend to use it, that the actual conditions of use are suitable, and that in the light of our continual research and development programme the information relating to each product has not been superseded.