

Product Code: SFPL**TECHNICAL DATA SHEET**

SUPERFAST PLASTIC STICK

Description

Superfast Plastic Epoxy Putty Stick is a fast-setting, semi-flexible, industrial-strength polymer compound which enables repairs to all major plastic types except polyolefins (polyethylene/polypropylene).

It is used to repair holes and cracks in leaking bathroom, kitchen and industrial pipes made from PVC, ABS and other plastics. It fills gaps, cracks and bonds broken plastic pieces back together, including furniture and other parts. Superfast Plastic also bonds to metals, masonry, wood and glass.

Superfast Plastic 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 Plastic eliminates drips and runs, facilitates adhesion to the substrate and allows the material to be shaped and formed as needed before curing begins.

Superfast Plastic has a work life of approximately 5-10 minutes. Within 15-20 minutes it will harden to form a cohesive bond. After one hour, the system can be put back into service.

The cured material sets to an off-white colour and 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 Plastic 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

- Plastic pipe repair including bathroom, kitchen and industrial pipework
- High-strength bonding between broken plastic parts
- Filling gaps and cracks in plastic surfaces

Advantages

- Sets semi-flexible and can be used with most major plastic types
- Repairs can be made in under 20 minutes
- Easy to use – cut putty from stick, knead by hand, apply
- Bonds plastic to other materials including metal, masonry, wood and glass



Directions for Use

Each Superfast Plastic 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.

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Shelf life	24 months from date of manufacture
Working time	5-10 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	65 after full 24-hour cure
Lap shear strength (plastic)	2.4 MPa
Compressive strength	69 MPa
Density	1.6 gm/cm ³ , 13.4 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 Plastic 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
SFPL-114g	114g

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

Health & Safety

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

Storage

Superfast Plastic 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.