

SUPERFAST ALUMINIUM

Description

Superfast Aluminium Epoxy Putty Stick is a fast-setting, industrial-strength polymer compound which enables permanent repairs to anything made of aluminium or other alloys. It also bonds to other metals, wood, glass, masonry and many plastics. It is used for the maintenance and repair of industrial equipment, rebuilding torn screw-holes and sealing leaks in radiators, boats or tanks made from aluminium.

Each stick contains pre-measured portions of activator and base – no measuring or mixing tools are necessary. As the epoxy is mixed, the two contrasting colours blend into one to indicate complete mixing. The consistency eliminates drips and runs, facilitates adhesion to the substrate, and allows the material to be shaped and formed as needed before curing begins.

Superfast Aluminium cures to a metallic light grey. Once cured, it can be tapped, drilled, screwed, sawed, machined, ground, filed, or painted. It is non-rusting and will not corrode. It is suitable for interior or exterior use. It is resistant to water, chemicals, and temperature extremes. Superfast Aluminium contains no solvents or VOC's. It is non-flammable and releases no noxious fumes. It will not shrink or pull away. The unused portion stays fresh for future use when kept in its packaging.

Superfast Aluminium has a work life of approximately 4-7 minutes. Within 5-10 minutes it will harden and form a cohesive bond. After one hour, the system can be put back into service.

Sylmasta make all Superfast Aluminium 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.

Technical Data

Minimum shelf life (months @ 24°C,)	24
Shore D hardness (full cure, 24 hrs.)	96
Lap shear tensile strength (Mpa)	
On aluminium	3.4
On steel	9.5
Compressive strength (MPa)	90
Density (gm/cm ³)	2.0
Shrinkage (%)	<1
Non-volatile content (%)	100
Electrical resistance (megohms)	30,000
Dielectric strength (volts/mil)	300
Upper temperature limit	
Continuous (°C)	120
Intermittent (°C)	150
Chemical resistance	
Resistant to hydrocarbons, ketones, alcohols, esters, halocarbons, aqueous salt solutions and dilute acids and bases.	



Storage

Superfast Aluminium should be stored out of direct sunlight in dry, frost free conditions of temperatures between 5°C and 24°C. Under such conditions shelf life will be 24 months from the date of manufacture.

Presentation

Superfast Aluminium is supplied in a stick form wrapped in a clear release film. The stick has a nominal 20mm diameter, is 175mm in length and weighs 114g.

Health & Safety Use

Superfast Aluminium consists of epoxy resins and hardener systems, which are currently classified as hazardous materials. Wear rubber or plastic coated gloves.

Whilst all reasonable care is taken in compiling technical data on the Company's 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 Company. 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.