

SUPERFAST AQUA PW STICK



Description

Superfast Aqua Potable Water (PW) Epoxy Putty Stick is a fast-setting repair compound with very high adhesion to wet and submerged substrates. The special formulation of Superfast Aqua PW allows it to adhere to surfaces exposed to damp, wet or underwater (salt or fresh) conditions. It bonds to metal, concrete, wood, fibreglass, many plastics, glass and more. Superfast Aqua PW has WRAS approval, meaning it is certified as safe to use on pipes and fittings carrying drinking water.

Each stick contains pre-measured portions of activator and base - no measuring or mixing tools are necessary. As the epoxy is mixed, the two colours blend into one colour 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 Aqua PW cures white. Once cured, it can be tapped, drilled, screwed, sawed, machined, ground, filed, or painted.

Suitable for interior or exterior use, it is resistant to water, chemicals, and temperature extremes. Superfast Aqua PW 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 saved in its original package.

Superfast Aqua PW has a work life of approximately 5 minutes. Within 15-20 minutes it will harden and form a cohesive bond. After one hour, the putty can be used under light loads. Working strength is between two and four hours. Maximum properties are achieved after 24 hours. If Superfast Aqua PW is used for sealing pipe leaks, it is recommended to wait the full 24 hours to achieve full pressure resistance.

Sylmasta make all Superfast Aqua PW 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 steel	6.2
Compressive strength (MPa)	83
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 Aqua PW 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 Aqua PW is supplied in a stick form wrapped in a clear release film. The stick has a nominal 22mm diameter, is 175mm in length and weighs 114g.

Health & Safety Use

Superfast Aqua PW 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.