



Aquastik is a hand knead able, speciality epoxy putty that mixes in one minute to provide permanent repairs to damp, wet areas and underwater applications. It may be applied in either fresh or salt water, and will bond tenaciously to substrates such as fibreglass, metal, wood, concrete, ceramics, glass etc. In immersed applications, *Aquastiks* cure rate is dependant upon the temperature of the water just as it is affected by the air temperature in non-immersed applications. The lower the temperature the longer it takes to cure. *Aquastik* comes in a handy rod form with the curing agent encapsulated in the contrasting colour base material. Its putty like consistency eliminates drips and runs providing 'no mess' applications with no tools required for use. *Aquastik* has 100% solids content, will not shrink and is water-soluble. The mixed epoxy turns from an aquamarine colour or 'fibreglass white' upon curing and will not yellow upon exposure to UV. After final cure, *Aquastik* may be drilled, sawed, tapped, filed, sanded and painted. It allows patching in areas where welding is impossible.

Application

After proper mixing, *Aquastik* moulds like clay and may be used to permanently patch dents, scratches, cuts, gouges and holes in fibreglass, metal and wooden boat decks and hulls; repair fittings, pipes, electrical connections, leaking gaskets, fuel tanks, water tanks, fish boxes, tubs, battery cases, sinks, spa's, hot tubs, tanks, pools, form custom gaskets etc.

Aquastik is an excellent adhesive when making repairs with fibreglass tape.

Aquastik is ideal for making emergency in-water repairs.

The unused portion of *Aquastik* will remain stable for years if protected from direct contact with air.

Directions for use

In order to achieve optimum adhesion, surfaces should be cleaned free of grease and dirt. Scuffing or sanding the surface prior to cleaning helps ensure a good bond.

Mixing: Twist or cut off required amount. To mix, knead with fingers to a uniform colour. If mixing is difficult, warm *Aquastik* to room temperature or slightly above. Apply to the surface to be repaired (within five to ten minutes of mixing). The mixed epoxy does not exhibit high bond strength at this point, but appears to be merely on the surface. Force into any cracks or holes to be filled and strike off excess material preferably with tool wetted with clean water.

When applying to a damp, wet or slowly leaking area, work the material forcefully into the surface and apply pressure until adhesion begins to take effect.

For a smooth appearance of the cured compound, hand rub with water or a damp cloth prior to hardening. Remove excess material before hardening begins. After five to ten minutes, the epoxy will harden like metal and start to form a tenacious bond. After just forty-five minutes, *Aquastik* is completely cured and it can be drilled, sawed, carved, sanded or painted. –

Technical Data

Working Life	20 minutes @ 20 deg C
Shelf Stability	6 Months minimum stored @ 25 deg C
Shore D Hardness (Full cure 24 hours)	75
Lap Shear Tensile	4.8 N/mm2
Strength on Steel	
Temperature Limitations	120 deg C Continuous 150 Deg C Intermittent
Chemical Resistance	Resistant to hydrocarbons, Ketones, Alcohol's, Esters, Halocarbons, Aqueous Salt Solutions and Dilute Acids and Bases
Electrical Resistance	30,000 Megohms
Dielectric Strength	300 Volts / Mil
Shrinkage	Less than 1%
Non-Volatile Content	100%
Compressive Strength	84 N/mm2 (12,000 psi)

Average contents: 115 – 130grms

Do not use below 5 deg

Health and Safety

Aquastik contains epoxy resins and hardeners which can cause skin irritation in sensitive subjects. It is therefore recommended that the hands are washed immediately after use, using either a proprietary hand cleaner such as Swarfega soap and water. Always keep Aquastik away from foodstuffs and food utensils.

Important

The information and data given is based on our own experience, research and testing and is believed to be reliable and accurate. However, as Surex cannot know the varied uses, to which its products may be applied, or the methods of application used, no warranty as to the fitness suitability of its products is given or implied. It is the user's responsibility to determine suitability of use. For further information please contact our technical department.

Containing: Epoxy Resin Average Molecular
Weight <700

Irritating to eyes and skin

May cause sensitisation by skin contact

Keep out of reach of children

In case of contact with eyes, rinse with plenty of water and seek medical advice immediately.

Wear suitable gloves and face protection

Contact Information

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