

S1016 – Technical Data Sheet



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Description

S1016 is a resilient epoxy putty used to provide permanent repairs in damp, wet or underwater applications. It may be applied underwater, and it will bond tenaciously to substances such as fibreglass, metal, wood, concrete and ceramics.

Aqua stick is a hand kneadable epoxy putty supplied as a two-part concentric stick of aquamarine and white contrasting colours; when mixed it sets to a hard, white material which can be drilled, sawn, filed or sanded and painted as required.

S1016 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” application with no tools required to use. **Aqua stick** is white in colour after use.

The unused portion of **S1016** will remain stable for years if protected from direct contact with the air, in cool conditions.

Technical Data

Work life	15 minutes @20°C
Resistance	Hydrocarbons, ketones, esters, halo-carbons, alcohols, aqueous salt solutions and dilute acids and bases.
Electrical Resistance	30,000 mega Ohms
Lap Shear Strength (Steel/fibreglass)	6.2N/mm ² 3.4N/mm ²
Temperature Limitations	120°C continuous 150°C intermittent
Dielectric strength	300 V/mm
Compressive strength	75N/mm ²

Directions for Use

Mixing

Twist or cut off required amount. To mix, knead with fingers to a uniformed colour. If mixing is difficult, warm to room temperature or slightly above. Apply to the surface to be repaired (within 2 minutes of mixing). The mixed epoxy does not exhibit high bond strength at this point, but appears to be merely lying on the surface. Force into any cracks or holes to be filled and strike off excess material, preferably with a 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.

Hardening

Remove excess material before hardening begins. After 20-30 minutes, the epoxy will harden and start to form a bond. After just 60 minutes, it is completely cured and can be drilled, sawed, carved, sanded, stained or painted.

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

Precaution

IRRITANT: Contains epoxy resin and may cause skin irritation in sensitive individuals. Unnecessary skin contact should therefore be avoided. If skin contact occurs, wash with a proprietary hand cleaner, followed by washing with soap and water. In case of eye contact, flush with clean water for at least 15 minutes, then seek medical attention. When fully cured, the product can be considered non-toxic.

Store in cool conditions, preferably away from direct sunlight or excessive heat. Shelf life at least 18 months @ 25 C.

Please consult the S1016 Health & Safety Data Sheet for statutory regulation information.

Information relating to the products of Bondrite Adhesive Limited is based on tests carried out under laboratory conditions. If any of our products are not used in accordance with our instructions or are used under conditions which vary from our laboratory, they may not perform in accordance with any information provided and Bondrite shall not have any liability in this case. Bondrite will accordingly provide samples of our products, on request and free of charge, for customers to carry out their own tests as to suitability of our product for their purposes and as used in their intended environment.