

TECHNICAL DATA SHEET FOR LOCKFAST EPOXY AQUA STICK

Description

Lockfast Aqua Stick 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. Lockfast 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.

Basic uses

Lockfast Aqua Stick is ideal for making emergency in-water repairs. Use it to patch scratches, cuts, dings, gouges, and holes in fiberglass, metal, and wooden boat decks and hulls; fix dents in surfboards and similar marine recreational equipment; fill chips in ceramic tile; replace missing grout in swimming pools; form custom gaskets; and repair electrical connections, fittings, pipes, leaking gaskets, tubs, battery cases, sinks, spas, hot tubs and pools.

Packaging

Lockfast Aqua Stick is supplied in a stick form wrapped in a clear release film. The stick has a nominal 22mm diameter and is available in various lengths. Packaged in a reusable clear plastic tube with a plastic friction top.

Shelf Life

Lockfast Aqua Stick should be stored out of direct sunlight in dry frost free conditions of temperatures between 50°C and 20°C. Under such conditions shelf life will be 18 months from the date of manufacture. One year minimum from date of shipment when stored in original, unopened container in a dry area at temperatures below 75°F (24°C).

Benefits

- Suitable for interior and exterior use.
- Contains no solvents or VOCs.
- Won't shrink or pull away.
- Non-flammable; releases no noxious fumes.

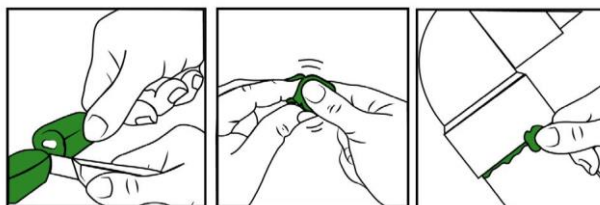
Application limitations

- Does not adhere to polyethylene, polypropylene, or PTFE.
- Not intended for use in structural applications.

Directions of use

1. In order to achieve optimum adhesion, surfaces should be cleaned free of grease, dirt, paint etc., and preferably should be dry. To ensure a good bond, abrade both surfaces followed by additional cleaning.
2. Twist or cut off the required amount of Lockfast Aqua Stick.
3. If the material is cold mixing may be difficult and warming to room temperature is advised.
4. To mix, knead the putty with the fingers for at least one minute or until it is a uniform colour.

5. Press the putty onto the prepared surface within 2 minutes of mixing.
6. If it is being used as an adhesive, force some putty against each of the two surfaces to be joined, before pressing the faces together, and support the joint as necessary.
7. If it is being used as a filler/repair material force the putty into the area to be filled, and shape and strike off any excess with a tool wetted with clean water.
8. For a smooth appearance rub with water or a damp cloth within the working life of the putty.
9. After 20-30 minutes the putty will harden like metal and start to form a bond. After 60 minutes the material is sufficiently cured to be drilled or sawn, and it will achieve full cure after 24 hours.



Health precautions

- Contains Epoxy Resin. Epoxies are skin/eye irritants and known sensitizers. Direct product contact may cause an allergic reaction in some individuals. Avoid skin/eye contact. Wear impermeable gloves when mixing or handling uncured product.
- Inhalation of dust may be harmful. Avoid inhalation of dust. Wear dust mask and protective eyewear when sanding cured product.
- Ingestion of product may be harmful. Avoid ingestion.
- Turn off power when doing electrical repairs.
- KEEP OUT OF THE REACH OF CHILDREN.

For additional health and safety information, consult a Safety Data Sheet.

Important Note

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 himself that each product is fit for the purpose for which he intends 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.

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Technical Data*

Properties	Results	Test Methods
Work life	25°C minutes @ 24°C	
Shore D Hardness	70	ASTM D2240
Lap shear strength on Steel and Fiberglass	6.2N/mm ² 3.5N/mm ²	ASTM D1002 ASTM D1002
Temperature Limitations	-40°C to +121°C Continuous -40°C to +149°C intermittent	
Dielectric strength	11,800 V/mm	ASTM D149
Compressive strength	55N/mm ²	ASTM D695
Chemical resistance: Resistant to hydrocarbons, Ketones , alcohols, esters, halcarbons, aqueous salt solutions, dilute acids and bases.		

*Typical properties are for information only, not for purposes of specification. The data above represents product performance in ideal laboratory conditions. Individual users' experience may vary depending on application conditions.

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Epoxy Stick
Aqua
V1.0