

EPS841 Aqua Epoxy Stick

Engineering Adhesives

DESCRIPTION

EPS841 Aqua Epoxy Stick, is a speciality epoxy putty that mixes in one minute to provide fast, permanent repairs to damp or wet areas, including underwater applications.

EPS841 Aqua Epoxy Stick may be applied directly underwater, and will bond together to substrates such as fibreglass, metal, wood, concrete, ceramics and glass etc.

In submerged applications EPS841 Aqua Epoxy Stick's cure rate is dependent on the water temperature, and in normal applications above water, it is affected by the air temperature. The lower the temperature, the longer it takes to cure.

EPS841 Aqua Epoxy Stick comes in an easy to use hand kneadable stick with a putty like consistency, allowing for very easy mixing and application, with no tools required.

The mixed epoxy turns from an aquamarine colour to "fibreglass white" upon curing, and will not yellow upon exposure to UV light.

Physical Properties	
Resin:	Epoxide
Unmixed Colour:	Green
Mixed Colour:	Off White
Electrical Resistance:	30,000 megahoms-cm
Dielectric Strength (Steel)	300 Volts/mil
Shrinkage	<1%
Non-Volatile Content	100%
Temp Range:	120°C continuous 150°C intermittent
Working Time:	Approx. 25 minutes
Cured Performance	
Initial Cure:	60 minutes
Full Cure Time:	24 hours
Lap Shear Tensile Strength:	
On steel	6.2MPa
On fibreglass	3.5MPa
Shore D hardness:	70
Compressive Strength:	55MPa

APPLICATIONS

After correct mixing, EPS841 Aqua Epoxy Stick moulds like clay and may be used in many Industrial and Home Maintenance applications to make permanent repairs of dents, scratches, cuts, gouges and holes in fibreglass. Can also be used for metal and wooden boat decks and hulls, repair fittings, pipes, electrical connections, leaking gaskets, fuel tanks, water tanks, fish boxes, tubs, battery cases, sinks, spas, hot tubs, tanks, pools, etc.



EPS841 Aqua Epoxy Stick

Engineering Adhesives

DIRECTIONS FOR USE

We recommend the use of impermeable gloves when mixing.

In order to achieve optimum adhesion, surfaces should be clean and free of grease or dirt.

To Mix, twist or cut off required amount and knead with fingers to form a uniform colour. If mixing is difficult, warm to room temperature.

Apply to the surface to be repaired (within 2 minutes of mixing). Force into any cracks or holes to be filled, and remove any excess material. The mixed epoxy does not show high bond strength at this point.

When applying to a damp, wet or slow 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 20 minutes the epoxy will harden and start to form a firm bond. After just 60 minutes EPS841 is functional and can be drilled, sawed, carved, sanded or painted.

LIMITATIONS

Does not bond to polyethylene, polypropylene or P.T.F.E.
Not suitable for structural applications.

CHEMICAL RESISTANCE

Resistant to hydrocarbons, ketones, alcohols, esters, halocarbons, aqueous salt solutions and dilute acids and bases.

PACKAGING

7" Lengths weighing approximately 114g.

Individually packaged in a reusable clear plastic tube and plastic end cap.

STORAGE & SHELF LIFE

Store in a cool area out of direct sunlight

Shelf Life: 24 months @ 24°C

Any unused portion of stick will remain stable for up to two years if protected from direct contact with the air, and stored in cool conditions.

HEALTH & SAFETY

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 soap and water. In case of eye contact seek medical attention. When fully cured, the product can be considered non-toxic. Always keep Aqua Epoxy Stick away from foodstuffs and food utensils.

