



TECHNICAL DATA SHEET

UNDERWATER EPOXY

P/N 11198

DESCRIPTION

ICKYSTICKY® UNDERWATER EPOXY PUTTY is formulated for use in repairing, patching and bonding wet, damp and underwater substrates. After mixing, it forms a polymer compound that can be applied underwater in both fresh and salt water environments as well as to dry surfaces. It will bond tenaciously to substrates such as fibreglass, concrete, metal, ceramic, glass, wood, and many plastics. Each handy stick contains pre-measured portions of activator and base throughout. No measuring or mixing tools are necessary — simply cut, mix, and apply. The consistency (like modeling clay) eliminates drips and runs, facilitates adhesion to the substrate, and allows the material to be shaped and formed as needed before curing begins.

- SETS IN 3-5 MINUTES - HARD IN 60 SECONDS
- INTERIOR AND EXTERIOR USE
- PUTTY-LIKE CONSISTENCY ELIMINATES DRIPS AND RUNS
- WILL NOT SHRINK OR PULL AWAY
- DRILL, SAW, SAND, FILE, MACHINE, TAP OR PAINT
- IMPERVIOUS TO MOST CHEMICALS
- CURES OFF WHITE COLOUR • CONTAINS NO SOLVENTS OR VOCs.
- NON-FLAMMABLE; RELEASES NO NOXIOUS FUMES.



APPLICATIONS

Ideal for making emergency in-water repairs.

Use it to patch scratches, cuts, dings, gouges, and holes in fibreglass, 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

Repair electrical connections, fittings, pipes, leaking gaskets, tubs, battery cases, sinks, spas, hot tubs and pools.

APPLICATION LIMITATIONS

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

COLOUR

ICKYSTICKY® UNDERWATER EPOXY PUTTY cured colour is off-white. If colour is critical, test before applying.

ICKYSTICKY® UNDERWATER EPOXY PUTTY can be sanded and painted to match any surface colour.

PACKAGING

Packaged in a reusable clear plastic tube with a plastic friction top.

SHELF LIFE

Two years minimum from date of shipment when stored in original, unopened container in a dry area at temperatures below 24°C (75°F).

PERFORMANCE DATA*

PROPERTIES	RESULTS
Work life	3 to 5 minutes
Shelf Stability 24°C (75°F)	2 years
Shore D hardness at full cure (24 hrs)	77
Lap shear tensile strength On steel (0.5" x 1.0")	900 psi (6.2 MPa)
Compressive strength	8700 psi (48 MPa)
Shrinkage	<1%
Temperature limits Continuous	up to 149°C (up to 300°F)
Chemical resistance	Resistant to hydrocarbons, ketones, esters, alcohols, halocarbons, aqueous salt solutions, and dilute acids and bases
Dielectric strength	295 volts/mil

* *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.*

DIRECTIONS FOR USE

Wear impervious gloves when mixing or handling uncured ICKYSTICKY® UNDERWATER EPOXY PUTTY. Although it can be applied under water, it should be mixed above the waterline. Use damp fingers for easier mixing, application and a smooth appearance. For best results, sand to roughen surface and wipe away dirt or loose particles. ICKYSTICKY® UNDERWATER EPOXY PUTTY does not adhere to painted surfaces. All paint residue must be removed.

1. Cut off amount needed for repair
2. Knead product to one uniform colour (no flecks) and warm to the touch.
3. Apply firmly within 2 minutes of mixing. Force into any cracks or holes and remove any excess material. When applying to a damp, wet or slowly leaking area, work the mixed material forcefully into the surface and apply pressure until adhesion begins to take effect.

ICKYSTICKY® UNDERWATER EPOXY PUTTY IS NOT INTENDED FOR STRUCTURAL APPLICATIONS.

CURING: ICKYSTICKY® UNDERWATER EPOXY PUTTY has a 3 to 5 minute work life. Functional cure occurs in 60 minutes. After 60 minutes the application can be drilled, sawed, filed, machined, tapped and painted.

CAUTION

- 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 SDS.



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