

# **EPOXY CLAY AQUA**

## **Underwater Repair Epoxy Putty**

#### **Product Description**

Pioneer Epoxy Clay Aqua (Underwater Epoxy) is hand-moldable, specialty epoxy putty optimized for repairs damp, wet areas, and underwater surface. It forms a polymer compound after mixing that can be applied underwater in both fresh and salt water environment, as well as to any dry surface. It bonds tenaciously to substrate such as fiberglass, concrete, metal, ceramic, glass, wood, and various type of plastic. Each handy stick contains pre-measured portions of activator and base, no measuring or mixing tools required - simply cut, mix and apply. The consistency (like modeling clay) eliminates drips and runs, facilitates adhesion to the substrates, and allows the material to be shaped and formed as needed before curing begins.



- Underwater repair epoxy putty
- Hand-moldable
- "No mess" application
- Suitable for interior and exterior use
- Safe for use with potable water
- 100% solid content
- Solvent-free formulation
- Non shrinkable
- Non flammable

# Product Specifications / Typical Properties / Physical Characteristics

Table 1. UNCURED STATE\*

Green (outer core)	
White (inner core)	
100%	
15.8 lb/gl (1.9 g/cm³)	
25 mins	
1 hour	
24 hours	
18 months from	
manufacturing date	



Table 2: Physical Properties: CURED STATE\*

Results
70
900 psi (6.2 MPa)
500 psi (3.5 MPa)
8000 psi (55 MPa
<1%
-40 to 250⁰F
(-40 to 121°C)
-40 to 300°F
(-40 to 149°C)
Resistant to hydrocarbons,
esters, ketones, alcohols,
halocarbons, aqueous salt
solutions and dilute acids
and bases
30,000 megohms-cm
300 volts/mil

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

#### **Applications**

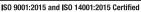
#### **Patches**

- Dings
- Holes
- Gouges

#### Repairs

- Decks and hulls
- Pools, hot tubs and spas
- Marine recreational equipment
- · Leaking gaskets
- Gutter and tanks





#### **Bonds**

- Fiberglass
- Metal
- Wood
- Concrete
- Ceramic
- Glass
- Various type of plastic

#### **LIMITATIONS**

Not for polyethylene, polypropylene or PTFE. Not intended for use in structural applications.

#### **Application Procedure**

#### A. Surface Preparation

Surface must be clean and free of oil, grease, corrosion, and dirt to achieve optimum adhesion. Scuffing or sanding the surface prior to cleaning helps ensure a good bond.

#### **B.** Mixing

Although Pioneer Epoxy Clay Aqua can be applied underwater, it should always be mixed above the waterline prior to immersion. Wear impervious gloves when mixing or handling uncured product.

- Twist or cut off required amount with gloved fingers.
- Mix by kneading to a uniform color. Use damp fingers for easier mixing and application. If mixing is difficult, warm Pioneer Epoxy Clay Aqua to room temperature or slightly above.
- 3. Apply to the repair surface within 10 minutes of mixing. Force into cracks or holes. Work the mixed material forcefully into the surface and apply pressure until adhesion begins to take effect when applying to a damp, wet or slowly leaking area.
- 4. Scrape off excess material before hardening begins preferably with a tool moistened and clean water. Rub with water or a damp cloth prior to hardening for a smooth cured appearance.

#### **Packaging**

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SKU	Packaging	Weight, grams	Quantity per box
3 inches epoxy putty stick	Blistered	50	24 pcs
1.5 inch epoxy putty stick	Blistered	25	24 pcs

#### Storage

Store in a cool, dry place, preferably 30°C maximum.

#### **Shelf Life**

18 months from manufacturing date when kept in a sealed, unopened pack following the required storage condition.

#### **Health and Safety Precautions**

#### WARNING

- 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.

If on skin or hair: Wash with plenty of soap and water. Take off contaminated clothing and wash before re-use. If skin irritation or rash occurs, get medical attention.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.

If ingested: Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. If necessary, call a poison center or physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Collect spillage.

### KEEP OUT OF REACH OF CHILDREN.

#### **Warranty and Disclaimers**

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