



# TECHNICAL DATA SHEET

## PIONEER EPOXY CLAY AQUA

### (Underwater Repair)

#### PRODUCT DESCRIPTION

**Pioneer Epoxy Clay Aqua** is hand-mixable, specialty epoxy putty for repairs to damp, wet areas and underwater surfaces. After mixing, it forms a polymer compound that may be applied underwater (either fresh or salt water) and will bond tenaciously to substrates such as fiberglass, concrete, ceramic, glass, metal, wood and many plastics. Each stick contains pre-measured portions of base and activator throughout – no measuring or mixing tools are necessary. 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. After 60 minutes the application can be drilled, sawed, sanded, carved, and painted. Pioneer Epoxy Clay Aqua cures to an off-white color. Suitable for interior or exterior use, it is resistant to chemicals, water, and temperature extremes. Pioneer Epoxy Clay Aqua contains no solvents or VOCs. It is non-flammable and releases no noxious fumes. It will not shrink or pull away. The unused portion stays fresh for future use when saved into its original packaging.

#### TYPICAL USES

##### Patch...

- Dings
- Holes
- Gouges

##### Repair...

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

##### Bond...

- Fiberglass
- Metal
- Wood
- Concrete
- Ceramic
- Glass
- Many plastics

**WORKS ON WET, DAMP, AND DRY SURFACES  
 EVEN UNDERWATER.**

#### PERFORMANCE DATA

<b>Color</b>	
<b>Outer</b>	Green
<b>Core</b>	White
<b>Mixed</b>	Off-white
<b>Consistency</b>	putty
<b>Solids Content</b>	100%
<b>Potlife</b>	11 – 20 minutes
<b>Cure Time</b>	
<b>Initial Strength</b>	60 minutes
<b>Full Cure</b>	
<b>Maximum Strength</b>	24 hours
<b>Shore D Hardness at Full Cure (24hrs)</b>	70
<b>Lap Shear Tensile Strength</b>	
- On steel(1"x1"x1/16")	900 lbs(6.2MPa)
- On fiber glass(1"x1"x1/16")	500 lbs(3.5MPa)
<b>Compressive Strength</b>	8,000psi (55Mpa)
<b>Density</b>	15.8lb/gal (1.9g/cc)
<b>Shrinkage</b>	<1%
<b>Electrical Resistance</b>	30,000 megaohms-cm
<b>Dielectric Strength</b>	300 volts/mil
<b>Temperature Limits</b>	
- Continuous	-40° to 250°F (-40° to 121°C)
- Intermittent	-40° to 300°F (-40° to 149°C)
<b>Chemical Resistance</b>	Resistant to hydrocarbons, ketones, alcohols, esters, halocarbons, aqueous salt solutions and dilute acids and bases
<b>Shelflife</b>	1 year from date of manufacture
Not intended for structural applications	
*Not to be used for specification purposes	

- ❖ The ultimate solution for small and emergency repairs
- ❖ Easy-to-use and mistake proof
- ❖ Bond instantly with superior strength
- ❖ Saves hundreds of dollars in repairs
- ❖ Belongs in very toolbox



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#### **(Underwater Repair)**

#### HOW TO USE

Before applying, roughen and clean the area to be repaired. Wear impervious gloves when mixing or handling uncured Epoxy Clay Aqua. Then follow these steps:

1. Cut or twist off required amount.
2. Mix by kneading with gloved fingers to a uniform color. If mixing is difficult, warm Epoxy Clay Aqua to room temperature or slightly above.
3. Apply to surface to be repaired within 10 minutes of mixing. Force into any cracks or holes and strike off excess material, preferably with a tool moistened with clean water.

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.

For best results: Although Pioneer Epoxy Clay Aqua can be applied underwater, it should be mixed above the waterline. Use damp fingers for easier mixing, application, and a smooth appearance of the cured compound. Remove excess material before hardening begins.

#### WARNING

Contains Epoxy Resin and Triethylenetetraamine. Skin and eye irritant/sensitizer. Direct product contact may cause allergic reaction in some individuals. Wear impervious gloves when mixing or handling uncured product. Avoid contact with eyes. Inhalation of dust may be harmful; wear dust mask and protective eyewear when sanding cured product. Ingestion of product may be harmful. KEEP OUT OF REACH OF CHILDREN. See SDS for additional information.

#### PACKAGING

##### BLISTER PACK

28.5g (1.5 inches)	24 pcs/box
50g (3 inches)	24 pcs/box