Eli-Fil FR986 Wet Surface & Underwater Repair Putty

Eli-Fil FR986 Epoxy Adhesive is a fibreglass-reinforced two-part epoxy resin that can be mixed and applied under cold, wet and submerged conditions to ceramics, concrete, plastics, steel, rock and metals etc

FR986 is designed for use in the following applications :

- Bonding of ceramic and basalt wear tiles underwater or in wet and damp conditions
- Repairing cracks in bridges, dam walls, underwater pipes and reservoirs.
- Bonding on tunnels, building restoration, boat and ship repairs etc

The adhesive has a high bond-strength to wet or underwater objects.

Technical Data

Mixing Ratio	: By weight or volume 1:1
Colour	: Resin - White, Hardener - Off White, Mixed - White
Viscosity	: Thixotropic paste
Exotherm	: No heat development in a mass up to 500g
Specific Gravity	: 1,8 – 1,85 g/cm^3;
Working Life	: 25 mins
Geltime	: Approx. 1 hours @ 20°C
Setting Time	: 3-4 hours @ 20°C
Hardness (24hrs @ 25°C)	: Shore D80
Heat Resistance (1hr @ 155°C)	: Shore D77
Heat Distortion Temperature (ASTM D648 - 56)	: 80°C
Water absorption	: 4 weeks immersion at 65°C : Fresh water : max. 0,16% : Salt water : max. 0,03%
Chemical Resistance once cured	: Oils, Detergents, Grease, Water, Caustic sodas, Petrol, Alcohols, Mild acids.

Surface preparation	: The bonding surface must be clean and roughened to ensure good adhesion. Any underwater surfaces must be free of rust, corrosion, algae or other contamination. When bonding to underwater surfaces, it is important to " wet out " the surface by applying a thin lining evenly, and waiting a few minutes before applying the bulk of the material.
Shelf Life	: 12 months if stored under dry conditions in sealed containers.
Toxicity	: FR986 has very low toxicity at ambient temperatures. However the use of protective clothing and gloves is always recommended when working with epoxy resins.

NOTE : Gloves should always be worn while using FR986
To speed the rate of cure, pre-warm components before mixing