



HYCHEM PF7

Underwater Epoxy Grout

DESCRIPTION

HYCHEM PF7 is a free flowing grout of high density designed as a water-displacing medium for the underwater grouting of marine structures such as piers for wharves and bridges.

HYCHEM PF7 is suitable for concrete, timber and steel pylons. A typical repair technique involves the placement of a prefabricated fibreglass jacket around the prepared pile. Depending upon the thickness of cover required, a blended aggregate may be positioned in the gap between the jacket and the pile to reduce costs.

After placement of the containment jacket, the mixed grout is injected into the annulus, displacing the water by force of gravity. The cured material bonds tenaciously to the existing pile surface.

TYPICAL SPECIFICATION

Product Type:	Solventless, polyamine cured epoxy resin
Density:	Resin 2.4, hardener 1.0, mixed product 2.1
Mix Ratio:	Resin 3-4 volumes, hardener 1 volume
Compressive Strength:	115-120Mpa
Flexural Strength:	33Mpa
Bond Strength:	Steel: 15-20Mpa
Concrete:	3-4Mpa concrete fracture
Underwater Cure:	HYCHEM PF7, when applied as a 15mm annulus to a 45mm concrete core yields a compressive strength of 30Mpa with no adhesive failure of the bond.

SURFACE PREPARATION

1. Remove all marine growth and existing coatings.
2. Delaminated concrete, due to reinforcement corrosion must be removed and the resultant steel primed with HYCHEM E100.

