

## SEASHIELD™ 311 UW EPOXY GROUT

**High-Strength, Non-Shrink, Underwater Grout**

### Description

SeaShield™ 311 Underwater Epoxy Grout is a 2-component, non-shrink, high-strength fluid grout designed for use in underwater or wet conditions. It is based on a hydrophobic resin system, which has the unique ability to displace water to ensure good adhesion.

### Uses

A high-strength, pourable, gap filling compound for underwater repairs such as pile restoration work. Machine bedding, crusher backing, fixing bolts and anchors into concrete. Levelling and fixing rail chairs and lugs.

### Features

- 2 component system with a mix ratio of 10:1, Resin:Activator
- Non-shrink for maximum durability and adhesion
- Resistant to most dilute acids, alkalis, petroleum products and salt water
- 100% solids
- Designed for underwater and other wet applications
- Grey colour

### Application

All surfaces must be clean, mechanically sound and free of oil, dirt and dust. Concrete and cement screeds to preferable have a wood float finish, with a minimum compressive strength of 25 MPa. Abrasive blast or acid etch to remove laitance.

Thoroughly mix the resin and activator in the proportions given, using a slow speed mechanical mixer. Allow to stand for about 10 minutes to allow aeration to subside. Pot life at 25°C is approximately 40 minutes.

Pour the mixed grout into the cavity ensuring the following precautions;

- Allow the trapped air to escape
- A gap of more than 20 mm must be allowed for horizontal flow at 25°C
- Do not apply below 10°C, as the compound will become less fluid

Epoxy resin grouts generate heat as they begin to gel due to an exothermic reaction, especially when large volumes are poured.



# SeaShield™ 311 UW Epoxy Grout

## TECHNICAL DATA

PROPERTIES	VALUE
Colour	Grey
Curing Time	
Initial Set	8 h
Practical Cure	24 h
Full Cure	7 days
Average Compressive Strength (ASTM C109)	
2 Days	82 MPa
7 Days	103 MPa
Bond Strength (ASTM C882)	> 12 Concrete fails
Flash Point (ASTM D92)	> 100°C
Application Temperature	10°C to 40°C
Service Temperature	-20°C to 80°C
Recommended Substrate Moisture	5%
Recommended Relative Humidity	20% - 90%

SHELF-LIFE: Minimum 24 months

STORAGE: Store between 10°C and 40°C in a cool, dry area and away from heat and direct sunlight.

CLEANING: Clean equipment immediately after use with a water soluble brush cleaner.

HEALTH AND SAFETY: Wear protective clothing and ensure adequate ventilation. Avoid contact with skin and eyes. See safety data sheets for further information.

PACKAGING: 15 kg kit (8 L)



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