

# SeaShield 510 UW Grout

A non-shrink cementitious grout designed to resist “wash-out” in underwater or tidal zone applications

## Composition

SeaShield 510 UW Grout is a specific blend of Portland Cement, specially graded aggregate and admixtures to impart controlled expansion and exceptional cohesiveness for maximum flow and strength.

## Uses

SeaShield 510 UW Grout is recommended for underwater grouting of bridge columns, concrete pilings and dam repairs where a “wash-out” resistant, free-flowing, pumpable, non-shrink, high strength grout is required.

## Characteristics

SeaShield 510 UW Grout is:

- “Wash-out” resistant,
- Free-flowing or pumpable, and
- Strong.

## Application

see *Instructions for use for additional detail*

Set time (ASTM C266)	Initial	Final
21°C	2 h	4h
4°C	10h	12h

## Availability

SeaShield 510 UW Grout is available in 50lb (22.6 kg) bags or 3000 lb (1360 kg) supersack.

## Storage conditions

Store in a cool dry place in original packaging

## Typical Properties

Compressive strength		
1 day	17 MPa	
3 days	38 MPa	ASTM C109
7 days	52 MPa	
28 days	62 MPa	
Tensile strength (28 days)	4 MPa	ASTM C109
Flexural strength	10 MPa	ASTM C109
Coefficient of thermal expansion	$8.3 \times 10^{-6}$ m/m/°C	ASTM C531
Bond Strength	10-14 MPa	ASTM C882

SeaShield International pursue a policy to develop and continually improve all of our products and therefore the information given in this data sheet is intended as a general guide and does not constitute a warranty of specification. However, our sales personnel are committed to assist the user in establishing the suitability of the product for its intended purpose and additional specific information is available on request. SeaShield products are sourced from a company complying with BS EN ISO 9001 Quality Management System.

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