

# TEKNODURE AW65

## Anti-Washout Cementitious Grout

### DESCRIPTION

TEKNODURE AW65 is a polymer-enhanced cementitious grout which contains special additives to provide antiwashout properties when placed under water. It is a single component product which is mixed with water to achieve a fluid grout that is suitable for hand or pump placement. The anti-washout polymer binds the cement particles to the fine micro silica aggregates to ensure the placed grout remains homogeneous when under water.

### USES

TEKNODURE AW65 is used in underwater applications or tidal zones. Applications include the grouting of piles, steel columns, pre-cast sections and grouting of other elements in underwater applications. It may also be used as a suitable void filler for grouting behind sea walls and in precast situations.

### ADVANTAGES

- Excellent anti-washout properties.
- High compressive strength.
- Chloride free.
- Fluid, pumpable consistency.
- Minimum thickness of 10mm
- Can be bulked out with a clean 6-10mm pea grave

Property	Value
Compressive Strength	23 MPa @ 1 Day 45 MPa @ 3 Days 50 MPa @ 7 Days 65 MPa @ 28 Days
Flow CM	35 - 40
Set Time	Approximately 2-4hrs

### PROCEDURE

**Surface Preparation:** Ensure all surfaces are clean and free from contamination, such as oil or grease. All loose material should be removed and is important to ensure that marine growth is completely removed. Surface preparation in underwater situations should be carried out using highpressure water jet to remove contaminants and effectively abrade the surface.

**Mixing:** TEKNODURE AW65 should be mixed with clean water, 10 litres of clean water should be added to a suitable mixing vessel and the powder should be slowly added to the water whilst mixing. Mixing should continue until a uniform consistency has been achieved. For larger applications, TEKNODURE AW65 should be mixed in a suitable mixer/pump unit including high shear and colloidal mixer and helical screw diaphragm and pistol pumps.

**Application:** The mixed material should be placed within 15 minutes of mixing to ensure that high flow properties are retained. If the grout is to be pumped in larger volumes, in under water applications, then a tremie pipe should be used. The tremie pipe should be inserted to the full depth of the element to be grouted, and once grouting commences the nozzle should remain in the placed grout and be withdrawn slowly as the grout level rises, until the element is fully grouted.

**Curing:** No special curing is required when placing under water.

**Equipment Cleaning:** Clean tools and equipment immediately using clean water.



Revision date: 20/1/23

### PACKAGING & COVERAGE

**Pack Size:** TEKNODURE AW65 is supplied in a 25kg pack.

**Yield:** A 25kg pack will yield approximately 14.4ltrs of mixed grout.

### STORAGE & SHELF LIFE

TEKNODURE AW65 should be stored in clean dry conditions at temperatures between 6°C and 30°C. When stored in unopened bags, TEKNODURE AW will have a shelf life of 12 months.

### HEALTH & SAFETY

See separate material safety datasheet.



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