TECHNICAL DATA SHEET

TEKNODURE AW65



Anti-Washout Cementitious Grout

PREMCRETE

TEKNODURE AW65



DESCRIPTION

TEKNODURE AW65 is a high-performance, polymer-enhanced cementitious grout specifically formulated for underwater and tidal-zone grouting applications. Its anti-washout polymer technology minimises cement washout and segregation while maintaining a cohesive, homogeneous grout during placement. When mixed with clean water it produces a highly fluid grout suitable for hand placement or pumping. Once cured it provides excellent compressive strength, durability and long-term dimensional stability.

USES

Suitable for grouting bridge piles, steel columns, precast concrete units, underwater anchor pockets, sea walls, harbour structures, marine foundations and filling voids behind retaining or quay walls.

ADVANTAGES

- Excellent anti-washout performance.
- High compressive strength.
- Chloride free.
- Highly fluid and pumpable.
- Resistant to segregation.
- Suitable for hand or pump application.
- Can be bulked with clean 6–10mm pea gravel.
- Durable in submerged environments.

TECHNICAL & PERFORMANCE PROPERTIES

Property	Test Method	Value
Compressive Strength	N/A	23 MPa @ 1 Day
		45 MPa @ 3 Days
		50 MPa @ 7 Days
		65 MPa @ 28 Days
Flow	N/A	35–40cm
Set Time	N/A	Approximately 2-4 hours
Water Addition	N/A	8 litres per 20kg bag

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INSTALLATION PROCEDURE

Preparation
Ensure all surfaces are structurally sound and free from oil, grease, marine growth, laitance and other contaminants. Underwater substrates should be prepared using high-pressure water jetting or other suitable mechanical methods.

Mixing
Add 8 litres of clean water to a suitable mixing vessel before gradually introducing the powder while mixing with a slow-speed paddle mixer. Continue mixing until a smooth, homogeneous consistency is achieved. For larger applications, use a colloidal mixer and grout pump.

Application
Place immediately after mixing. For underwater placement, use a tremie pipe wherever practical and keep the discharge end embedded in the freshly placed grout while slowly withdrawing it as the grout level rises.

Curing
No additional curing is normally required for fully submerged applications. Protect any exposed grout from rapid drying.

Equipment cleaning
Clean tools and equipment immediately after use with clean water.

PACKAGING & COVERAGE
Pack Size
20kg bag.
Yield:
Approximately 11.5 litres of mixed grout.



STORAGE & SHELF LIFE
Store in unopened bags in clean, dry conditions between 6°C and 30°C.
Protect from moisture and frost.
Shelf life: 12 months.

HEALTH & SAFETY
See separate Material Safety Data Sheet before use.
Wear suitable PPE during mixing and application.

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