

DURAGROUT UW

NON-SHRINK, FREE-FLOW UNDERWATER GROUT



DESCRIPTION

DURAGROUT UW is specially designed for use in underwater grouting applications. This highly flowable, cement based, non-shrink grout remains in a cohesive, well blended mix when placed or pumped in off-shore concrete repairs.

FEATURES & BENEFITS

- Non-shrink for positive, secure support
- Does not contain chlorides as additives which may contribute to rebar corrosion
- Extended working time in hot weather environment
- Available in bulk bags for large placement
- Highly flowable for easy mixing & pumping
- Rapid strength gain for early support.

BASIC USES

- Underwater grouting
- Off shore rigging
- Encasement of Underwater concrete structures like piers

TECHNICAL INFORMATION

Typical Engineering Data

The following results were developed under laboratory conditions.

Compressive Strength

ASTM C-109 50 mm cubes

1 day	3,200 psi (21.7 MPa)
3 days	4,800 psi (32.5 MPa)
7 days	5,600 psi (37.9 MPa)
28 days	7,200 psi (48.8 MPa)

Volume Change ASTM C-1090 & CRD C-621

1 day	+.06
3 days	+.06
7 days	+.06
28 days	+.06

Setting Time ASTM C-191

Initial Set : 5 hours

Final Set : 7 hours

DIRECTIONS FOR USE

Surface Preparation

All concrete surfaces should be clean, sound and free of surface scaling and any material which may interfere with bond.

Mixing

Approximately 4.9 Liter of water will be required to produce a flowable consistency. DURA GROUT UW should not be placed at a fluid consistency. Mechanically mix for a minimum of 3 minutes then place the grout. For placements where the clearance is beyond 50 mm, DURA GROUT UW may be extended by adding up to 10 Kg. of 9.5 mm washed dried SSD pea gravel per 25 Kg. bag.

Placing

After mixing, grout may be pumped into place DURA GROUT UW should be placed continuously.

Curing

No special curing is required when product is placed under water. Air exposed surfaces may be coated with a curing compound if hot, dry conditions exist.

CLEAN-UP

Clean tools and equipment with water before the material hardens.

PRECAUTIONS & LIMITATIONS

- Do not add admixtures or fluidifiers
- Keep exposed portions of the grout from freezing until a minimum strength of 4000 psi (27.6 MPa) has been reached.

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Data Sheet



YIELD	Yield is approximately 0.014m ³ of flowable grout when mixed with 4.9 liter of water
PACKAGING	DURA GROUT UW is packed in 25 kgs bags
COLOUR	Contact CMCI tech dept

Quality Statement

CMCI manufactures its products at their manufacturing facility in Saudi Arabia as per the Quality Procedures certified to conform with quality Management System described in ISO 9000 series

CMCI provides a comprehensive technical support system for its full range of high performance construction products CMCI also offers full technical field support to consultants, Architects, contractors, applicators and End Users.

The Technical Specification information and recommendations given are based on the current technical knowledge and the user or his representative is recommended to check the suitability of the product CMCI reserves the right to amend the technical characteristic of the product as part of ongoing research and development. As the work execution is beyond the direct and continuous control of CMCI no guaranty and or responsibility is assumed on the performance of work completion executed with use of our products.

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