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EUCO TREMIE GROUT



NON-SHRINK UNDERWATER GROUT

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EUCO TREMIE GROUT 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.

PRIMARY APPLICATIONS

- Underwater grouting
- Pier supports
- Off shore rigging
- Underwater concrete structures

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

SPECIFICATIONS / COMPLIANCES

- Meets the requirements of CRD-C-621, Corps of Engineers Specification for Non-Shrink Grout.
- Shows positive expansion when tested in accordance with ASTM Specification C-1090, Standard Test Method for Measuring Changes in Height of Cylindrical Specimens from Hydraulic-Cement Grout.
- Meets the performance requirements of ASTM C-1107, Grades A & B as well as Grade C, combination volume adjusting grout standard specification for packaged, dry, hydraulic-cement grout (non-shrinkable).

PACKAGING / YIELD

EUCO TREMIE GROUT is packaged in 50 lb (22.7 kg) bags.

Yield is approximately .45ft³ (.013 m³) of flowable grout when mixed with 1.2 gal (4.5 liter) of water.

TECHNICAL INFORMATION

Typical Engineering Data

The following results were developed under laboratory conditions.

Compressive Strength

ASTM C-109, 2" (50 mm) cubes

	@ 72°F (22°C)	@ 40°F (4°C)
1 day	3,200 psi (22.0 MPa)	1,000 psi (7.0 MPa)
3 days	4,800 psi (33.1 MPa)	3,000 psi (20.7 MPa)
7 days	5,600 psi (38.6 MPa)	3,700 psi (25.5 MPa)
28 days	7,200 psi (49.7 MPa)	4,500 psi (31.0 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

	@ 72°F (22°C)	@ 40°F (4°C)
Initial Set:	5 hours	12 hours
Final Set :	7 hours	18 hours

Shelf life is 2 years in original, unopened package.

Appearance

EUCO TREMIE GROUT is a free flowing powder designed to be mixed with water. After mixing and placing, the color may initially appear much darker than the surrounding concrete. While this color will lighten substantially as the concrete cures and dries out, the grout may always appear somewhat darker than the surrounding concrete.

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 1.2 gal (4.5 liter) of water will be required to produce a flowable consistency. EUCO TREMIE GROUT 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 2" (51 mm), EUCO TREMIE GROUT may be

extended with up to 20 lb (9.1 kg) of 3/8" (9.5 mm) pea gravel per 50 lb (22.7 kg) bag.

Placing-After mixing, grout may be pumped into place. EUCO TREMIE GROUT 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

- Store materials in a dry place.
- Do not add admixtures of fluidifiers.
- Keep exposed portions of the grout from freezing until a minimum strength of 4,000 psi (27.6 MPa) is reached.
- Rate of strength gain is significantly affected at temperature extremes.

Form Euco Tremie Grout-6.97

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