

REC CABLE GROUT 715

HIGH PERFORMANCE CABLE GROUT

PRODUCT DESCRIPTION

REC CABLE GROUT 715 is formulated to produce a pumpable, non-shrink, high-strength grout. It provides excellent corrosion protection for steel cables, anchorages, and rods. **REC CABLE GROUT 715** is extremely fluid and, after curing, has an appearance similar to concrete. It exhibits the thixotropic properties defined in PTI specifications and can also be used for the repair of previously grouted cables.

PRIMARY APPLICATIONS

- Post-tensioned cables and ducts
- Grouting of tight clearances

FEATURES & BENEFITS

- Superior corrosion protection
- High fluidity for easy placement
- Non-shrink
- Exceptional compressive strength
- Aggregate-free formulation
- Pumpable for a minimum of 2 hours at 90°F (32°C)

TECHNICAL DATA

Property	Test Method	Result
Flow Rate	ASTM C 939 Modified	9–20 seconds initial flow*; 9–30 seconds at 30 minutes
Initial Setting Time at 70°F (21°C)	ASTM C 953	8–12 hours, depending on material and ambient temperature
Compressive Strength	ASTM C 942	7 days: >3,000 psi (20.7 MPa) 28 days: >7,000 psi (48.3 MPa)
Hardened Height Change	ASTM C 1090	24 hours: 0.0–0.1%; 28 days: 0.0–0.2%
Plastic Expansion	ASTM C 940	0.0–2.0% for up to 3 hours
Wick-Induced Bleed	ASTM C 940, Modified according to C.4.4.6.1 of the PTI Guide Specification	0.0% at 5 minutes; 0.0% at 3 hours
Chloride Permeability	ASTM C 1202	28 days (30 V for 6 hours): <2,500 coulombs

* Tested under laboratory conditions with a 30-second remix prior to measuring the flow.

REC CABLE GROUT 715 is a free-flowing powder designed to be mixed with water. After mixing and placement, the grout may initially appear considerably darker than the surrounding concrete. The color will lighten substantially as the grout cures; however, the cured grout may remain somewhat darker than the surrounding concrete.

PACKAGING

REC CABLE GROUT 715 is supplied in 25 kg bags or pails.

The product yields approximately:

- **0.54 ft³ (0.015 m³)** of fluid grout when mixed with 1.5 gal (5.7 L) of potable water.
- **0.56 ft³ (0.016 m³)** when mixed with 1.7 gal (6.4 L) of potable water.

Yield values are based on the stated mixing proportions and may vary depending on mixing and placement conditions.

INSTRUCTIONS FOR USE

If the contractor is not familiar with standard grout placement techniques, a pre-job meeting is recommended to review the project requirements and the specific conditions of the application.

MIXING

The required water content depends on the desired consistency:

Consistency	Estimated Water Content*
Fluid	1.5–1.7 gal / 50 lb (5.7–6.4 L / 22.7 kg)
Flowable	1.3–1.5 gal / 50 lb (4.9–5.7 L / 22.7 kg)

* Do not add water in an amount that causes bleeding. Do not add aggregate or cement to REC GROUT 115, as this will alter its designed grouting characteristics.

CURING AND SEALING

Cure all exposed grout by wet curing for 24 hours. After wet curing, apply a suitable high-solids curing and sealing compound, where required.

PRECAUTIONS & LIMITATIONS

- To minimize bleeding in vertical applications greater than 20 ft (6 m), keep the water dosage at or below 1.50 gal/50 lb (5.7 L/22.7 kg).
- Clean tools and equipment with water before the material hardens.
- Do not add admixtures, fluidifies, aggregate, or cement to the product.
- Do not use more or less water than the specified mixing range.
- Store the material in a dry place and protect it from moisture.
- The application temperature must be 40°F (4°C) or above and must remain above this temperature for at least 24 hours after placement.
- Follow appropriate cold-weather or hot-weather grouting practices according to site conditions.
- Strength development and setting time are significantly affected by extreme temperatures.

STORAGE

Shelf life is 12 months from the date of manufacture when stored in the original, unopened packaging, under cover, in dry conditions, away from humidity, and protected from extreme temperatures and direct sunlight.

SAFETY PRECAUTIONS

While using the product, gloves, a mask, and safety goggles should be worn. Splashes on the skin or in the eyes should be washed immediately with clean water. In case of prolonged irritation, seek medical advice.

QUALITY STATEMENT

All our products are manufactured to comply with our internal quality management system to ensure consistency and quality.

DISCLAIMER

While the company guarantees its products against defective materials, the use and application of these products are made without guarantee since the conditions of their application are beyond its control. It is recommended to verify with the company that the product is suitable for the intended use. This Data Sheet version is the latest one. The company may modify it without any prior notice. Technical characteristics are listed for guidance only. For more information, please contact the company's head office located in Lahore.

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