



EUCO CABLE GROUT PTX

HIGH PERFORMANCE CABLE GROUT

EUCLID CHEMICAL

DESCRIPTION

EUCO CABLE GROUT PTX is formulated to produce a pumpable, non-shrink, high strength grout. It provides unparalleled corrosion protection for steel cables, anchorages and rods. EUCO CABLE GROUT PTX is extremely fluid, and cured grout is similar in appearance to concrete. EUCO CABLE GROUT PTX exhibits thixotropic properties defined in PTI specifications, and can be used to repair 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 strength
- Aggregate free
- Pumpable for a minimum of 2 hrs @ 32°C

TECHNICAL INFORMATION

PROPERTY	RESULT @ 5.7 L/22.7 kg mix water (unless otherwise noted)
Flow Rate ASTM C 939 modified	9 to 20 seconds initial flow *9 to 30 seconds at 30 minutes
Initial Setting Time at 21°C ASTM C 953	8 to 12 hours (depending on material and ambient temperature)
Compressive Strength ASTM C 942	7 days: > 20.7 MPa 28 days: > 48.3 MPa
Hardened Height Change ASTM C 1090	24 hours: 0.0% to 0.1% 28 days: 0.0% to 0.2%
Plastic Expansion ASTM C 940	0.0% to 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
Schupack Pressure Bleed Test @ 6.3L/25kg mix water	0.0% (5 minutes @ 100 psi)
Schupack Pressure Bleed Test @ 7L/25kg mix water	0.0% (5 minutes @ 50 psi)
Chloride Permeability ASTM C 1202	28 days (30V for 6 hrs): < 2,500 coulombs

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

EUCO CABLE GROUT PTX 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 up substantially as the grout cures, the grout may always appear somewhat darker than the surrounding concrete.

GROUTS

EUCO CABLE GROUT PTX

MASTER FORMAT #: 00 00 00

AVAILABILITY & SHELF LIFE

EUCO CABLE GROUT PTX is **Made To Order (MTO) and has a 10 day lead time. It has a 6 month shelf life in the original, properly stored, unopened package.

PACKAGING/YIELD

EUCO CABLE GROUT PTX is packaged in 25kg bags or pails and yields 16L of fluid grout when mixed with 6.3L of potable water. Yield is 17L when mixed with 7L of potable water.

DIRECTIONS FOR USE

If the contractor is not familiar with standard grout placement techniques, a pre-job meeting is suggested to review the project details unique to the particular job. Refer to the PTI Guide Specification for Post-Tensioned Structures for proper mixing, pumping and placement practices.

Mixing:

Consistency	Estimated Water Content*
Fluid	6.3 to 7.0L/25kg
Flowable	5.4 to 7.0L/25kg

* Do not add water in an amount that will cause bleeding. Do not add aggregate or cement to the grout since this action will change its precision grouting characteristics.

Curing and Sealing: Cure all exposed grout by wet curing for 24 hours, then with a high solids curing and sealing compound, such as Super Diamond Clear or Super Diamond Clear VOX.

PRECAUTIONS / LIMITATIONS

- To minimize bleeding in vertical applications greater than twenty feet, The Euclid Chemical Company recommends a water dosage no greater than 6.3L/25kg.
- Clean tools and equipment with water before the material hardens.
- Do not add any admixture or fluidifiers.
- Do not use any more or less water than what is specified above.
- Store materials in a dry place.
- Application temperature must be 4°C or above and remain so for 24 hours after placement.
- Employ cold weather or hot weather grouting practices as the temperature dictates.
- Rate of strength gain and setting times are significantly affected at temperature extremes.
- The Euclid Chemical Company is not responsible for corrosion caused by ingredients in the flushout, saturation, or mixing water, or for contaminants either in the space being grouted or from other materials used in the system.
- In all cases, consult the Safety Data Sheet before use.

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