

GROUTS

Master Format #: 03 62 13

EUCO CABLE GROUT PTX

HIGH PERFORMANCE CABLE GROUT



EUCLID CHEMICAL

PACKAGING

50 lb (22.7 kg) bags and pails

Code: 088L 50 (bag)

Code: 088L 05 (pail)

EUCO CABLE GROUT PTX is made to order (MTO) and has a 10 day lead time.

APPROXIMATE YIELD

50 lb (22.7 kg) unit: 0.54 to 0.56 ft³ (0.015 to 0.016 m³) per unit when mixed with 1.5 to 1.7 gal (5.7 to 6.4 L) of potable water.

CLEAN UP

Clean tools and equipment with water before the material hardens.

SHELF LIFE

6 months in original, unopened package

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.

PRODUCT CHARACTERISTICS

FEATURES/BENEFITS

- Superior corrosion protection
- High fluidity for easy placement
- Non-shrink
- Exceptional strength
- Aggregate free

PRIMARY APPLICATIONS

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

APPEARANCE

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.

TECHNICAL INFORMATION

The following are typical values obtained under laboratory conditions. Expect reasonable variation under field conditions.

Test Method	Test Property	Result @ 1.5 gal/50 lb (5.7 L/22.7 kg) mix water (unless otherwise noted)
ASTM C939 Modified	Flow Rate	9 to 20 seconds initial flow *9 to 30 seconds at 30 minutes
ASTM C953	Initial Setting Time at 70 °F (21 °C)	8 to 12 hours (depending on material and ambient temperature)
ASTM C942	Compressive Strength	7 days > 3,000 psi (20.7 MPa) 28 days > 7,000 psi (48.3 MPa)
ASTM C1090	Hardened Height Change	24 hours 0.0 to 0.1 % 28 days 0.0 to 0.2 %
ASTM C940	Plastic Expansion	0.0 % to 2.0 % for up to 3 hours
ASTM C940 Modified**	Wick Induced Bleed	0.0 % at 5 minutes 0.0 % at 3 hours
-	Schupack Pressure Bleed Test @1.5 gal/50 lb (5.7 L/22.7 kg) mix water	0.0 % (5 minutes @ 100 psi)
-	Schupack Pressure Bleed Test @1.7 gal/50 lb (6.4 L/22.7 kg) mix water	0.0 % (5 minutes @ 50 psi)
ASTM C1202	Chloride Permeability	28 days (30V for 6 hrs): < 2,500 coulombs

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

**Modified according to C.4.4.6.1 of the PTI Guide Specification

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 Water Guide:

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

**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 1.50 gal/50 lb (5.7 L/22.7 kg).
- Clean tools and equipment with water before the material hardens.
- Use only potable water for mixing, and do not add admixtures 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 40 °F (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.

Rev. 02.22

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