

GROUTS

Master Format #: 03 62 13



EUCLID CHEMICAL

EUCO PRE-CAST GROUT

NON-SHRINK, NON-METALLIC GROUT

PACKAGING

50 lb (22.7 kg) bags
Code: 188 50

APPROXIMATE YIELD

50 lb (22.7 kg) unit: 0.42 ft³ (0.012 m³)
per unit when mixed with 0.75 gal (2.8 L) of potable water.

CLEAN UP

Clean tools and equipment with water before the material hardens.

SHELF LIFE

2 years in original, unopened package

DESCRIPTION

EUCO PRE-CAST GROUT is designed for critical use where high strength, non-staining characteristics and positive expansion are required. It contains only natural aggregate and an expansive cementitious binder.

PRODUCT CHARACTERISTICS

FEATURES/BENEFITS

- Non-staining natural aggregate for better appearance
- Non-shrink provides full structural support
- High strength and durability
- Appearance similar to concrete
- Does not contain any added chloride ions

APPEARANCE

EUCO PRE-CAST 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 up substantially as the concrete cures and dries out, the grout may always appear somewhat darker than the surrounding concrete.

PRIMARY APPLICATIONS

- Pre-cast panels
- Structural supports

TECHNICAL INFORMATION

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

Test Method	Test Property	Plastic Consistency
ASTM C939/ CRD-C 621	Flow Rate	100 % (Flow Table)
ASTM C109M* 2 in (50 mm) cubes	Compressive Strength	1 day 4,000 psi (27.6 MPa) 3 days 5,800 psi (40.0 MPa) 7 days 6,800 psi (46.9 MPa) 28 days 8,000 psi (55.2 MPa)
CRD-C 621	Expansion	3 days 0.03 % 7 days 0.06 % 14 days 0.07 % 28 days 0.07 %
ASTM C191	Setting Time	Initial Set 40 minutes Final Set approximately 1 hour

*See ASTM C1107 Section 11.5

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. Contact your local Euclid Chemical Company representative for additional information.

Grouts generally work best at 50 to 80 °F (10 to 27 °C). Cold weather retards strength gain and set time. Hot weather accelerates setting time and causes premature drying of the grout. Provide heating or cooling, as necessary, to compensate for extremes in ambient temperatures and resulting variations in cure time.

Surface Preparation: Surfaces to be grouted should be clean and free from rust, grease or oil. Determine work schedule and method of placing grout, then prepare strong, properly braced and oiled forms to retain the grout and provide relief holes, if needed. Saturate the area to be grouted with water until it is uniformly damp and remove excess water just before placing the grout.

Mixing: Small quantities may be mixed with a drill and "jiffy" mixer. Use a paddle type mortar mixer for large jobs. All materials should be in the proper temperature range of 50 to 80 °F (10 to 27 °C). Add the appropriate amount of clean, potable water for the batch size and then add the dry grout. Mix for a minimum of 2 to 3 minutes. The mixed grout should be quickly transported to the grouting site and placed immediately.

Application: See the "Cementitious Grout Application Guide" for installation means and methods.

PRECAUTIONS/LIMITATIONS

- Do not add any admixture or fluidifiers.
- Proper curing is required.
- When necessary, follow the recommendations in ACI 305R "Guide to Hot Weather Concreting" or ACI 306R "Guide to Cold Weather Concreting".
- Keep grout from freezing until it reaches a minimum strength of 3,000 psi (21 MPa).
- Store materials in a dry place.
- Do not use as a topping.
- Rate of strength gain is significantly affected at temperature extremes.
- In all cases, consult the Safety Data Sheet before use.

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