

C/G Grout

**High Strength, non-metallic,
Portland cement based,
multi-purpose construction grout.
Does not contain chlorides or
gypsum. Complies with ASTM C476.**

WHERE TO USE
**Grout column and
machine base plates,
bearing plates,
anchor rods, masonry walls.**

PERFORMANCE CHARACTERISTICS

Low shrinkage

- Maintains integrity of repair, resists cracking.

Durable

- Resistant to weathering action, excellent freeze/thaw stability and abrasion resistance.

Very low permeability

- Resistant to deicing salts, carbonation, chloride, and chemical attack.

Highly flowable

- Improves productivity. Excellent consolidation around reinforcing steel.

No chlorides

- Non-corrosive to steel.

SURFACE PREPARATION

- All surfaces coming into contact with *C/G Grout* must be clean of rust, paint or oils.
- Provide air release opening to prevent entrapped air where required.
- Pre-treat wood surfaces that can absorb moisture with forming oil.

PRIMING

- No priming is required under normal circumstances.

MIXING

- Mechanically mix using a low speed drill (400 - 600 rpm) and mixing paddle or mortar mixer.
- Pour 3 - 4 quarts of potable water into a clean mixing vessel and slowly add all of the powder. 3 quarts provides a plastic mix, 4 quarts a flowable mix.
- Mix continuously for 3 minutes to a uniform, lump-free consistency.
- Allow to "breathe" for 1 minute and remix for 1 minute. This will improve workability and open time.
- Do not over mix, as this will entrain excess air.

APPLICATION

- At the time of application, concrete surfaces should be saturated surface dry (SSD) but hold no standing water.
- Pre-treat forms with release agent.
- Place material within 15 minutes of mixing in accordance with ACI 351.1R-99.
- Place continuously from one side to avoid air entrapment.
- Properly consolidate material, vibrate if necessary.
- Place vent at high point to allow air to escape.
- Add a maximum of 30 lbs. of 3/8 inch aggregate per 50 lb. bag. Aggregate must be non-reactive, low absorption, graded and high density.

CURING

- Dampen the repair with a fine mist of water for 24 hours or moist cure with wet burlap and polyethylene. Alternatively, apply *Conpro C309 Cure & Seal*.
- Protect repair from direct sunlight, wind, rain and frost during curing period.

CLEAN UP

- Clean tools and equipment with water immediately after use. Cured material must be removed mechanically.

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COVERAGE/YIELD

- 0.42 ft.³/50 lbs.
- 0.65 ft.³ when extended with 30 lbs. of 3/8 inch aggregate.

PRODUCT HANDLING

Packaging

- 50 lbs. multi-wall, poly lined bags.

Shelf Life

- 12 months when properly stored.

Storage

- Transport and store in cool, clean, dry conditions in unopened containers.
- High temperature or high humidity will reduce shelf life.

LIMITATIONS

- Do not apply unless substrate and ambient temperature can be maintained at a minimum of 40°F for 24 hours. Refer to ACI Cold Weather Application Guidelines.
- Cold mixing water and low temperature will retard set. Hot water and high temperature will accelerate set.
- Protect application from precipitation and high wind for at least 8 hours.
- Do not add more water than specified.
- Do not mix more material than can be placed in 15 - 20 minutes.

HEALTH AND SAFETY

- Product is alkaline.
- Do not ingest.
- Avoid breathing dust.
- Avoid contact with skin and eyes.
- Refer to Material Safety Data Sheet (MSDS) for additional information.

FIRST AID

- In case of skin contact, wash thoroughly with soap and water. For eye contact, flush immediately with a high volume of water for at least 15 minutes and contact a medical professional. For respiratory problems, remove person to fresh air.

DISPOSAL

- Dispose of material in accordance with local, state or federal regulations.

TECHNICAL DATA

Physical state and appearance		Gray powder
Base		Portland cement
pH	Wet mix	>12
Water/cement ratio		0.46*
Density	Hardened	139 lbs./ft. ³
Flow table and cone procedures	ASTM C230/ASTM C939	12 inch flow – minor bleeding
Standard for masonry grout	ASTM C476	Fine grout
Length change – wet cure	ASTM C157	169 µstrains @ 28 days
Modulus of elasticity	ASTM C469	4.1 x 10 ⁶
		1 Day 7 Days 14 Days 28 Days
Compressive strength – psi	ASTM C109	2880 7300 8500 9125

* Data tested using 3 quarts water per 50 lbs. bag.

FOR PROFESSIONAL USE ONLY

Conproco Corp. warrants this product for one year from date of installation to be free from manufacturing defects and to meet the technical properties on the current technical data sheet if used as directed within shelf life. User determines suitability of product for use and assumes all risks. Buyer's sole remedy shall be limited to the purchase price or replacement of product exclusive of labor or cost of labor. March 2008.

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