



CP-25CG **Carbon Filled Furan Grout**

PRODUCT DESCRIPTION

Blome CP-25CG is a two component, 100% carbon filled furan grout used for the installation of chemical resistant brick and tile flooring using the tiler's method. CP-25CG is designed for grouting dairy brick and tile in floor, cove and trench applications requiring resistance to non-oxidizing acids, alkalis and solvents. CP-25CG is 100% carbon filled and offers exceptional resistance to hydrofluoric acid, fluoride salts and hot caustics. Blome CP-25CG exhibits superior bond strength to acid brick and is well suited for applications exposed to traffic and physical abuse.

TYPICAL USES

Blome CP-25CG is suitable for grouting dairy brick, acid brick and tile in a variety of applications including:

- Dairy brick flooring
- Brick and tile cove base
- Acid brick and Tile Flooring
- Brick lined trenches and sumps

HANDLING CHARACTERISTICS

Blome CP-25CG is specially designed to be flowable without excessive use of Resin. This results in a combination of higher quality and reduced costs, as excessive resin addition increases curing shrinkage and overall mixed grout costs. CP-25CG cures rapidly and provides an excellent bond to brick and tile. This combination of handling, curing and performance properties makes Blome CP-25CG the ideal furan grout for dairy brick and tile flooring installations.

TYPICAL PROPERTIES

WET

Components:	Two (2) - powder & resin
Wet grout density:	95 lbs./ft ³
Mixed consistency:	Flowable grout
Pot life:	50°F 60 minutes 77°F 30 minutes
Initial set:	50°F 12 - 16 hours 77°F 4 - 6 hours
Final cure	50°F 9 days minimum 77°F 7 days minimum

CURED

Blome CP-25CG complies with ASTM C-395	
Absorption (ASTM C-413)	less than 0.2%
Bond Strength to brick (ASTM C-321)	900 psi
Coefficient of Thermal Expansion (ASTM C-531)	14×10^{-6} in/in/°F
Color	Black
Compressive Strength (ASTM C-579)	7,500 psi
Recommended pH for use	0.0 – 14.0
Temperature limit	385°F
Tensile Strength (ASTM C-307)	1,000 psi

PACKAGING & STORAGE

Blome CP-25CG is supplied as a two component product, with a filler powder and a resin. CP-25CG Powder (Part A) is packaged in 50 lb. bags and CP-25 Resin (Part B) is packaged in 50 lb. pails or 500 lb. drums. The use ratio of Powder to Resin is 2.0 pbw to 1.0 pbw.

Unit Size	150 lbs.
Powder	100 lbs. (2 x 50 lb. Bags)
Resin	50 lbs. (1 x 50 lb. Pails)

Shelf life of CP-25CG Components is one (1) year. Keep CP-25CG Powder and Resin tightly sealed in original containers until ready for use. Store Powder and Resin in a cool, dry place, out of direct sunlight, and on pallets at temperatures between 50°F – 90°F. Protect bags of CP-25CG Powder from water and weather while in storage and on job site.

ESTIMATED COVERAGE

Please refer to Blome Brick Mortar Usage Chart in Chemical Proofing Section of Blome International Catalog. This chart gives estimated coverage rates and does not allow for waste, joint variations or other job site contingencies.

BID SPECIFICATION GUIDE

Use Blome CP-25CG 100% Carbon Filled Furan Grout as manufactured by Blome International, O'Fallon, MO.

JOB SITE ENVIRONMENTAL CONDITIONS

Blome CP-25CG must be applied while ambient temperatures are between 50°F and 90°F. Blome CP-25CG components, brick, tile and substrate temperatures must also be maintained in this range. Installations of CP-25CG should be protected from water and weather during installation and curing.

SURFACE PREPARATION

Blome CP-25CG is designed for use with waxed brick or tile. If waxing of brick or tile is done at jobsite, care should be taken to keep wax off of brick or tile edges as this will prevent grout from bonding and result in loose grout joints. Brick and tile to be installed with Blome CP-25CG must be clean, dry and oil free. If brick or tile has been frozen, they must be thawed completely and allowed to dry prior to installation with Blome CP-25CG. Open joints of brickwork to be grouted should be clean and dry prior to installation of Blome CP-25CG bed joint. Open joints in brickwork in these areas should be swept or vacuumed clean and be free of dirt, dust, water or other jobsite contaminants.

While Blome CP-25CG provides exceptional bond to brick and tile surfaces, the material provides only a minimal bond to concrete and steel substrates. Direct bond applications to be grouted with CP-25CG typically require the use of an epoxy setting bed for bonding brick or tile directly to concrete substrates.

SAFETY PRECAUTIONS

Blome CP-25CG Powder, Resin and mixes of them present various health hazards if handled improperly. CP-25CG Powder contains carbon and acid powders and CP-25 Resin will cause eye injury and irritate skin. Wear respirator suitable for carbon and acid powders, safety glasses with side shields, gloves and long sleeve shirts to prevent all contact with skin and eyes. After working with Blome CP-25CG, wash thoroughly before eating, drinking, smoking or other activities.

APPLICATION EQUIPMENT

Blome CP-25CG is best mixed with a KOL, pail type mixer or in a pail using a drill motor driven paddle blade. This mixing equipment must be clean, dry and free of any contaminants including Portland Cement, other grouts, resins, etc. When mixed, CP-25CG is grouted into place using a "Groutmaster" type rubber float or a steel finishing trowel.

MIXING AND APPLICATION

Add approximately 2.0 parts by weight CP-25CG Powder to 1.0 part by weight CP-25 Resin. Mix components using a clean, dry mechanical mixer or trowel for a minimum of 2-3 minutes, making sure there are no lumps or dry pockets of powder. Pour mixed grout onto area to be grouted. Spread grout into open joints of tile or brickwork, starting at the lowest areas, making sure grout joints are completely full and then working to the highest areas. Using a "Groutmaster" type rubber float or a steel, finishing trowel, work grout into joints and strike excess grout from brick faces in a squeegee fashion. Be certain to pass over joints on a 45° angle so as to not disturb grout that has already flowed into joints.

In some instances, a second grout pass will be required to fill low spots and achieve even, full grout joints. This second grout pass must be applied within 24 hours of first grout pass to assure proper adhesion between passes. Allow grout in completed tile or brickwork to cure for three (3) days minimum at 70°F prior to high-pressure steam removal of wax from brick or tile faces.

CLEANUP

All tools, mixing equipment, gloves and application equipment should be cleaned up immediately using a citrus or biodegradable cleanser, with hot water, while material is still wet. If material begins to cure, solvent-based cleaners will be required for removal.

WARRANTY

We warrant that our goods will conform to the description contained in the order and that we have good title to all goods sold. Our material data sheets and other literature are to be considered accurate and reliable, but are used as guides only. WE GIVE NO WARRANTY OR GUARANTEE, WHETHER OF MERCHANT ABILITY OR FITNESS OF PURPOSE OR OTHERWISE, AND WE ASSUME NO LIABILITY IN CONNECTION THEREWITH. We are happy to give suggestions for applications; however, the user assumes all risks and liabilities in connection therewith regardless of any suggestion, we may give. We assume no liability for consequential or incidental damages. Our liability, in law and equity, shall be expressly limited to the replacement of non-conforming goods at our factory, or at our sole option, to repayment of the purchase price of the non-conforming goods.