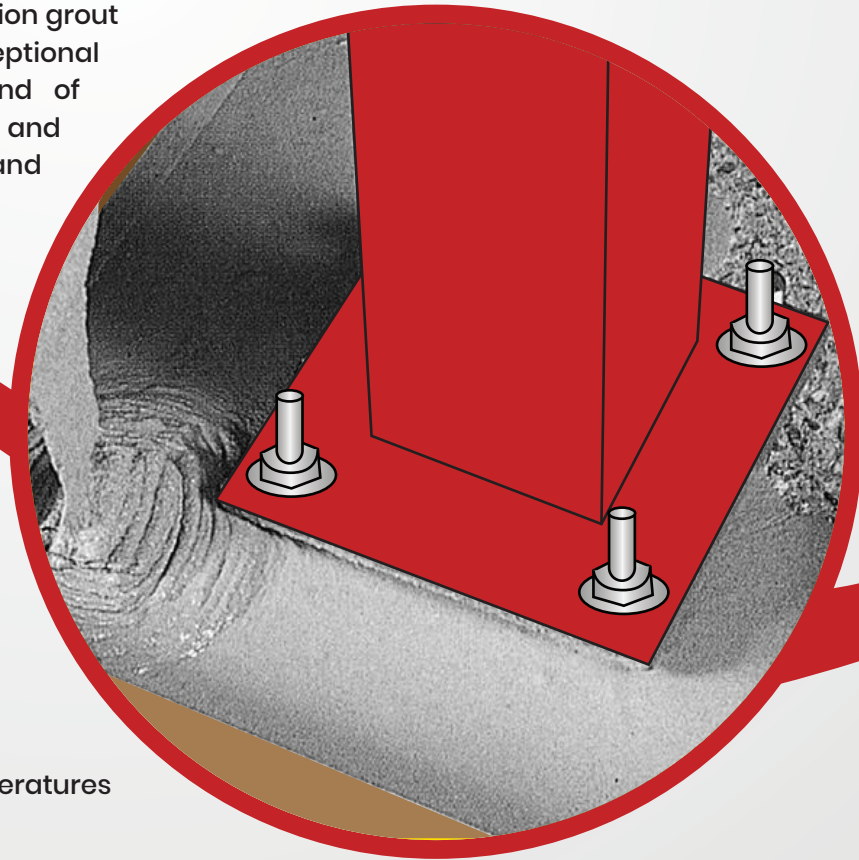


# CEM-GROUT

High Strength, Non-shrink, Cementitious Precision Grout

CEM-GROUT is a non-shrink, cementitious precision grout that provides extended working time and exceptional physical performance. Cem Grout is a blend of Portland cement, graded aggregates and admixtures making it highly strong, tensile, and reliable.



## Key Features

1. Excellent initial flow and flow retention
2. High ultimate strength and low permeability ensure durability of the hardened grout
3. Suitable for pumping or pouring over a large range of application consistencies and temperatures
4. Shrinkage compensating properties
5. Good flow characteristics
6. Adjustable consistency
7. Good impact and thermal resistance
8. Non-corrosive to steel or iron

## Application

1. Machine base plates/ heavy equipment
2. Bedding joints in precast concrete sections
3. Filling voids, cavities, gaps, and recesses
4. Sealing around penetrations
5. Bridge bearing pads
6. Mass grouting
7. Anchor bolt

## Compressive Strength

1 day	4,000 psi ( 27.6 MPa)
7 day	8,250 psi ( 56.9 MPa)
28 day	10152 psi ( 70 MPa)

## Flexural Strength

7 day	1,100 psi ( 7.6 MPa)
28 day	1,300 psi ( 9.0 MPa)

## Splitting Tensile Strength

7 day	500 psi ( 3.4 MPa)
28 day	750 psi ( 5.2 MPa)

## Shear Strength

28 day	2,500 psi ( 17.2 MPa)
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## Freeze-Thaw Stability

300 cycles	>99%
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## Coverage

0.4 ft<sup>3</sup> (0.01 m<sup>3</sup>) per bag at fluid consistency (Coverage figures do not include allowance for surface profile and porosity or material waste)

## Application Steps

### Mixing

- Make sure all forming, mixing, placing, and clean-up materials are on hand.
- Add the appropriate amount of water of clean potable water (approx. 70 °F) into a suitably sized and clean mixing container, using a calibrated measuring jug, or similar, to ensure strict control of the water content (do not over-water).
- Add 1 bag while continuing to mix with a low-speed drill (400-600 rpm) and mixing paddle or a jiffy paddle or in an appropriate mortar mixer.
- Once all the powder has been added, mix for approximately 3 minutes, until a lump-free and uniform consistency is achieved. Do not over mix.
- For warmer temperatures use cold water and for colder temperatures use warm water.
- Refer to Guidelines when there is a need to place this grout in cold & hot temperatures.

### APPLICATION

- Within 15 minutes after mixing, place grout into forms in normal manner to avoid air entrapment.
- Vibrate, pump, or ram grout as necessary to achieve flow or compaction.
- Mixed grout in mass will result in faster than expected setting times.
- The product must be confined leaving minimum exposed surface.
- After grout has achieved final set, remove forms, and shape exposed grout shoulders to designed profile.

### CURING TREATMENT

- Wet cure for a minimum of 3 days.

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