

TEXGROUT 292

Cement grout and cementitious mortar

1- Description

TexGrout 292 is a cement grout and aggregate carefully selected and balanced, prepared at the factory, ready to use when adding water.

The product is distinguished by its fast setting its initial gas expansion controlled to counteract the shrinkage due to compaction and drying, and the absence of any metal or corrosive additive (eg. calcium chloride).

2- Advantages

The product is proportionate, balanced and premixed at the plant, under strict quality control.

Variables consistencies are available for optimum maneuverability, simply by adjusting the dosage of water (see Mixing): dry consistency, plastic or flow.

The product has a high compressive strength.

| Consistency | Water per 22.7 kg bag |
|-------------|-----------------------|
| Dried | 3.2 L |
| Plastic | 3.5 L |
| Castable | 3.9 L |

3- Characterization

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| Presentation | Grey powder cement in paper bags (multiwall laminated polyethylene lined for maximum protection against moisture) |
| Performance | Each bag of 22.7 kg will produce about 0.45 ft ³ (13 L of liquid grout). |
| Coverage | Each bag covers 22 ft ² at ¼" thickness (2 m ² at 6mm thickness) Each bag covers 5.5 ft ² at 1" thickness (0.5 m ² at 25 mm thickness) |
| Initial setting | About 2½ hours |
| Final setting | About 4 hours |
| Withdraw | None |

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| Operating temperature | Minimum 0°C to 175°C. |
| Storage | Store at a temperature between 15 and 25°C in a dry place in the original 22.7 kg moisture resistant bag. |

4- Uses

The product is useful in the fabrication of heavy machinery bases, soles columns, frames, the cementing of base plates, anchor bolts, foundations and underpinning; sealing and patching concrete.

5- Restriction

The grout should not be exposed to freezing temperatures during curing.

6- Preparation

The surface must be clean, moist, free of grease, oil, laitance, dust or other contamination. It is recommended to roughen the surface for better adhesion of the grout. In special cases or in case of doubt, it is advantageous to consider the use of an adhesive. We recommend the use of **Texnov GL 50** (cement glue) as an adhesive.

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| Dilution with adhesive | GL 50 / Water per 22.7 kg bag TexGrout 292 |
| Thin layer / Connecting grout | 3.78 L GL 50 / 1 L Water |
| Mortar | 1.89 L GL 50 / 2 L Water |
| Concrete / Filling | 1.5 L GL 50 / 2.3 L Water Add 12 Kg of washed gravel 10 mm max in size |

If the use of an adhesive is not considered, keep the background saturated with water for 24 hours prior to the application of the grout. Any excess water must be removed before application however.

Put into position and anchor all pieces where the grout must be applied. The boxing for the retention of the grout under the base plates must be solid and sealed to prevent leakage

7- Application

For a deeper filling mortar washed gravel up to 10mm in size can be added to **TexGrout 292** up to 50% by weight.

We recommend the use of a mechanical concrete mixer or mortar mixer for the mixing. Depending on the desired consistency between 3.2 liters and 3.9 liters of water must be put into the mixer. Add gradually and with continued stirring the powder contents of a bag (22.7 kg) to the water.

Continue mixing for at least three (3) minutes. The prepared grout that is not used immediately must be kept under agitation until used.

Avoid mixing larger quantities of grout than those that can be placed within 30 minutes. **TexGrout 292** that has not been used one hour after the preparation should be discarded.

8- Curing

The grout should be applied and cured under moist conditions (wet tarpaulins) for 24 to 36 hours. After that a liquid curing membrane can be applied on the surface.

In a thin coat of 2 mm with the use of a high dosage of adhesive, the use of wet tarpaulins is not necessary.

9- Security & Personal Protection

Avoid contact with skin (cement alkalinity).
Clean tools with water while the grout is still fresh.

For more information concerning the handling, the manipulation or use of this product, please consult our technical data sheet or consult our technical service department

10- Physical properties and performance

| TEST STANDARD | RESULT |
|--|--|
| Compressive strength ASTM C-109 (28 days) | 50 MPa (Dry) 40 MPa (Plastic) 30MPa (Flow) |
| Freeze / thaw resistance ASTM C666 | Excellent |
| Resistance to flaking due to exposure to deicing salts ASTM C672 | Excellent |
| Hardening expansion U.S. CRD-C58-7 | ≤ 0.4% |
| Water absorption 48 hours* CCMC 5.3.6 ≥ 20% | 9.8 % |
| Water resistance 2h * CCMC 5.3.5 ≥ 90% Waterproof | Successful |

** Result obtained by dilution with **GL 50** (Mortar mix).
Tested at the **Texnov** laboratory according to the CCMC standard.*