



# CEM GROUT

**Fluid structural non-shrink mortar for filling  
and anchors**

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For anchoring metal components

Settling of walls or pillars

No shrinkage

Very high resistance

**Certified according UNE-EN 1504-6**



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ISO9001 Quality Certification

# CEM GROUT

## Fluid structural non-shrink mortar for filling and anchors

### Properties:

High short and long-term mechanical resistance.  
No shrinkage (it expands very slightly); therefore, cracks are avoided, and the hardened product occupies the entire space to be filled.  
Optimum adherence to metal surfaces and concrete.  
Outstanding fluidity, self-levelling, even with little mixing water, therefore, the grout fills perfectly the whole anchoring area, even areas of difficult access.  
Passives and protects metal surfaces in contact with it, making them last longer.  
Without chlorides or metal aggregates that could favour corrosion.

### Uses:

Filling and anchoring on concrete flooring for machinery subject to intense mechanical loads.  
Filling and sealing in concrete pillars, bridge supports, rails, filling between walls and pillars, etc.  
Special repairs on horizontal concrete surfaces, injections to reinforce frames, pods, etc. (by pouring).

### Application:

The substrate should be firm, rough and clean; it should be wetted so that it is damp but not flooded, when applying the product.  
Mix CEMGROUT with 2/3 of the water necessary and when homogeneous, add the rest of the water until the desired fluid consistency is achieved (4-4.5 l. total amount of water, per 25 Kg bag). If you want a thicker paste, the water/CEMGROUT mix should be 3 to 4 l per 25 Kg bag. Avoid using excessive water, which can reduce the effectiveness of CEM GROUT.  
The mortar thus obtained allows fillings up to 7 cm, for higher thicknesses 2 bags of CEMGROUT should be mixed with a bag of approx. 6 mm aggregate.  
One must ensure proper curing of the mortar being convenient to keep it moist for 2-3 days. When using CEMGROUT formwork must wait at least 12 hours to proceed with the release.  
Do not apply with temperatures under +5°C and above +30°C.  
Once the mortar begins its setting don't add water or remix it.

### Precautions:

Contains cement. Irritating to eyes and skin. May cause serious eye injury. Keep out of the reach of children. Avoid any contact with eyes and skin. In case of contact with eyes, rinse them immediately with plenty of water and consult a doctor. In the event that the injured person wears contact lenses, remove them and continue rinsing.  
Wear appropriate protective gloves. Wash contaminated skin with soap and water.  
In the set state it is physiologically and ecologically harmless.  
The disposal of waste and empty containers must be done in accordance with current local / regional / national / international legislation.

**GISCODE ZP1 = product with low chromate cement content.**

For more information consult the current Safety Data Sheet.

### Technical data

*(Based on tests carried out in out laboratory in accordance with current regulations)*

<b>Aspect:</b>	Grey powder
<b>Mixing ratio:</b>	Approx. 4 l. of water: 25 kg. of powder
<b>Fresh mortar density:</b>	Approx. 2,2 kg/litre
<b>Consumption:</b>	Approx. 1,9 kg of powder per m <sup>2</sup> and mm.
<b>Compressive Strength:</b>	After 1 day, approx. 34 N/mm <sup>2</sup> After 3 days, approx. 58 N/mm <sup>2</sup> After 7 days, approx. 62 N/mm <sup>2</sup> After 28 days, approx. 67 N/mm <sup>2</sup>
<b>Flexural Strength:</b>	After 1 day, approx. 6 N/mm <sup>2</sup> After 3 days, approx. 7 N/mm <sup>2</sup> After 7 days, approx. 9,5 N/mm <sup>2</sup> After 28 days, approx. 10 N/mm <sup>2</sup>
<b>Expansion:</b>	After 28 days: approx. +0,1%.
<b>Packaging:</b>	25 kg paper bags.
<b>Storage:</b>	Approx. 12 months in dry rooms in originally sealed packaging



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**50449**  
**EN 1504-6:2006**  
**CEMGROUT**

Polymer modified cementitious mortar (PCC)  
for repair of concrete structures  
EN 1504-6

Chloride ion content	≤ 0.05 %
Pull-out	≤ 0.6 mm at a load of 75 kN
Glass transition temperature	NPD
Sustainability/Creep under tensile load displacement	NPD
Reaction to fire	A1
Hazardous substances	Compliance with 5.3 of EN 1504-6

*We assume the warranty for the perfect quality of our products. Our handling recommendations are based on trials and practical experience; they can, however, only be regarded as general advice without a quality warranty, as we have not influence on work site conditions and the execution of the work. A dosage and application outside of what is described in this TDS would exclude our responsibility for the product and its application. For any questions about possible doubts about the product, please contact the Technical Department. The validity of this technical sheet will be valid until the appearance of a new edition.*

*Country specific recommendations, depending on local standards, codes of practice, building regulations or industry guidelines, may effect specific installation recommendations.*

*Ardex is not responsible for the content of technical files collected on websites other than the official Ardex website ([www.ardex.es](http://www.ardex.es)).*