



ISO 9001:2000

CICO GROUT GP

Non-shrink Cementitious Grout

DESCRIPTION : An expanding non-ferrous grout, consisting of a dry pre-mixed blend of special grade cement, siliceous aggregate with set regulating and reactive chemical compound in power form. Only water needs to be added.
Note: Contains no Calcium Chloride.

USES : Grouting of machine bases, column bases (steel and precast concrete) anchor bolts and similar grouting applications.

FEATURES : * Controlled expansion, to ensure positive surface contact.
* No corrosive effect caused by metallic residue.
* No rusting or staining on exposed edges.
* Premixed, addition of water only needed.
* Contains no Calcium Chloride.

SPECIFICATION : The grout shall be **CICO GROUT GP** and shall be applied strictly in accordance with the manufacturer's instruction.

Performance Data : Typical Compressive strength at a plastic consistency:

Time		Kg/cm ²
1	day	200
7	days	400
28	days	500

Expansion: Free expansion-approx.0.4%

Setting Time: **CICO GROUT GP** will undergo initial set in approximately 3 hours and final set will take place within 5 hours at 27°C. Lower temperature will increase setting time.

Density: 2200 kg/m³

APPLICATION DATA:

Surface Preparation : All surface laitance and unsound concrete must be chipped away so that a reasonable rough, but strong sound surface is provided. All surfaces must be free from oil, grease and dust, this particularly applies to the underside of bed plates, bolts, pipes or other materials which may have surface contact with the grout. After cleaning, saturate the concrete surfaces with clean water. Ensure that no free standing water is present on surfaces of foundations or in bolt holes before apply **CICO GROUT GP**.

Mixing : Add **CICO GROUT GP** powder to potable water in the proportion recommended for its consistency:

Flowable Grout	-	3.5- 4 Ltr water to 25 kg bag Grout powder
Plastic Grout Mix	-	3 -3.5 Ltr water to 25 kg bag Grout powder
Dry-pack Grout mix	-	2.5-2.75 Ltr water to 25 kg bag Grout power

Placing conditions, including temperature, may have to be assessed before pouring the grout at site. Small trial batches may be tried to ascertain best working consistency.

Mixing Equipment and Process :

Use mechanical mortar mixers, preferably of the paddle or revolving drum type. Hand mixing rarely achieves the desired result. Allow approx 5 minutes for mixing. Thorough mixing is essential for achieving maximum results.

CICO GROUT GP should be placed within half an hour of mixing during that time keep material in mixer well agitated. After half an hour discard any grout mix that shows signs of stiffening.

Flowable grout may be used with low pressure cement grouting equipment or may be hand rodded into restrained sections. High points must be adequately vented to allow entrapped air to escape.

Plastic mortar may be rodded into place or trowel handled where freedom of movement permits. consistency can range from thick cream to smooth plastic.

Dry-pack mortar must be firmly pressed or rammed into place. Use metal or hardwood tamping tools and suitable trowel equipment . Consistency should be allow pressuring into firm hard ball without cracking.

Note: **CICO GROUT GP** is supplied in 40 kg bags. However, if the location demands upto 30% by weight 6 to 10mm size clean washed gravel may be added.

PACKING

: **CICO GROUT GP** is available in 40 kg Polythene lined waterproofing gunny bag.

PRODUCT INFORMATION

: Although the basic formulation of our products generally remains unchanged production refinements arising from continuing research and evaluation program may occasionally results in marginal changes in properties.

TECHNICAL SERVICE

- * **CICO** maintains a technical division with highly qualified Technical Personnel to investigate and advise on subjects related to concrete and the construction industry. The Division will advice on the correct use and selection of right products at the right place.
- * **CICO** undertakes Consultancy Service for diagnosis and rehabilitation of distressed structures
- * **CICO** undertakes jobs as a package for total waterproofing system with guarantee

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