

# CICO GROUT-GP

## Non-Shrink Ready To Use Cementitious Grout

An expanding non-ferrous grout, consisting of a dry pre-mixed blend of special grade cement, siliceous aggregate with set regulating and reactive chemical compounds in powder form. Only water needs to be added. It contains no Calcium Chloride.

### USES

Grouting of machine bases, column bases (steel and pre-cast 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.

### TECHNICAL DATA

<b>Appearance</b>	Grey coloured free flowing powder
<b>Free linear expansion</b>	0.4 % (minimum)
<b>Yield</b>	2000±100 kg dry powder is required for 1 m <sup>3</sup> volume.
<b>Initial Setting Time</b>	4-6 hrs at 30°C
<b>Final Setting Time</b>	5-7 hrs at 30°C
<b>Compressive Strength at 30°C, 24 hrs</b>	180 kg/cm <sup>2</sup>
<b>3days</b>	370 kg/cm <sup>2</sup>
<b>7days</b>	450 kg/cm <sup>2</sup>
<b>28days</b>	550 kg/cm <sup>2</sup>
<b>Shelf Life</b>	1year

### METHOD OF APPLICATION

#### Surface Preparation

All surface laitance and unsound concrete must be chipped away so that a reasonable rough, but strong sound surface is provided. All surface must be free from oil, grease and dust, this particularly applies to the underside of base 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 pouring **CICO GROUT-GP**.

#### Mixing

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

<b>Flowable grout</b>	5.6-6.4 kg water to 40 Kg bag Grout powder.
<b>Plastic Grout Mix</b>	4.8-5.6 kg water to 25 Kg bag Grout powder.
<b>Dry-Pack Grout Mix</b>	4.0-4.8 kg water to 25 Kg bag Grout powder.

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 such to allow pressing into firm hard ball without cracking.

**Note :**However, if the location demands (i.e., if the thickness of grout layer is more than 100mm) up to 30% by weight 6 to 10 mm size clean washed gravel may be added.

### SPECIFICATION

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

### PACKAGING

25 kg Polythene Lined waterproof HDPE bags.

#### Important Note:

All CICO products are sold in the market after strict Quality Control in line of ISO 9001 and guaranteed against any manufacturing defect. Although the basic formulation of Company's products generally remains unchanged, production refinements arising from continuing research and evaluation program may occasionally result in marginal changes in properties. CICO aspires to ensure that any recommendation, advice, test data, specification, method statement and other information given in this product datasheet is accurate and best of company's knowledge. Since, the company (CICO TECHNOLOGIES LTD) has no control over the selection of its product, applicators, application methodology, how and where it is applied, therefore, the company cannot accept any liability directly or indirectly arising from the use of its product. It is important to any customer, user or specifier satisfies him / herself that the product is suitable for the intended purpose including health, safety and environmental aspect. Unless or otherwise agreed in writing, all products of the company are sold strictly pursuant to the terms of our standard conditions of sale which are available upon request. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. All customers, users, specifiers should ensure that they examine the suitability of the product with company's latest product data sheet.

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