

# GB 250

## GRAINED CONCRETE

EN 13813  
CT C25 F4

### DESCRIPTION

Ready pre-mixed dry grained concrete based on Portland cement, sand and concrete gravel of selected grading, as well as special additives which improve strength and minimize corrosion of the reinforcement. Simply add water.

With EUROFINS - Indoor Air Comfort Gold certification which ensures that the product meets the strictest European regulations regarding VOC emissions. The product is also accompanied by an Environmental Product Declaration (EPD) regarding the environmental impact during its life cycle (EPD registration number: S-P-11336

### CHARACTERISTICS/ ADVANTAGES

- High strength
- Moisture- and frost-proof
- Indoor and outdoor use
- Protects the reinforcement
- Easy to apply
- Excellent workability
- Fast to prepare
- Stable quality

### APPLICATION FIELDS

Once mixed with water, it is used to fill the reinforced moulds of horizontal tie systems and lintels.

It is also used in various construction operations, and wherever a high-strength gravel concrete is needed Balconies

## PRODUCT INFORMATION

<b>Composition</b>	Portland Cement, aggregates of selected grading, special additives and polymer components
<b>Colour</b>	Grey
<b>Packaging</b>	25 kg paper bag - 1500 kg pallet (60 paper bags)
<b>Storage Conditions</b>	In the original, closed, sealed and indestructible packaging, protected from direct sunlight and frost and at temperatures from +5°C to +35°C
<b>Shelf life</b>	12 months from the date of production in unopened package

## TECHNICAL CHARACTERISTICS

<b>Specific gravity of wet mortar:</b>	2250 Kg/m <sup>3</sup> (20 °C)
<b>Maximum grain size:</b>	10 mm
<b>Compressive strength in 28 days:</b>	25 MPa (EN 1015-11)
<b>Flexural strength in 28 days :</b>	4 MPa

## APPLICATION INFORMATION

<b>Substrate temperature</b>	+5°C / +35°C
<b>Environmental temperature</b>	+5°C / +35°C
<b>Mixing ratio</b>	3.1 - 3.4 lt water/25 kg bag
<b>Performance</b>	a 25 kg bag yields approximately 12.5 liters of fresh mortar

## APPLICATION INSTRUCTIONS

### SUBSTRATE PREPARATION

Ensure the substrate is clean, sound, and free from any loose material and pre-wet the surface.

### MIXING

Mix in a cement mixer with the necessary quantity of water and use it within 25 - 30 minutes

### APPLICATION

Apply the fresh gravel-concrete mix in the same manner as a traditional screed or mortar. Ensure uniform distribution and compaction for optimal performance.

Use the fresh mix within 25–30 minutes after preparation to maintain workability and bonding properties.

### TOOLS CLEANING

Fresh material should be removed immediately from the application equipment with water. Hardened/mature material can only be removed by mechanical means.

## IMPORTANT NOTES

- The content of the bag must be protected from moisture
- Do not add excessive amounts of water because this increases the possibility of reducing the strength of the product and creating cracks
- Do not mix the material for too long and use it while it is still fresh
- Not recommended for use in extreme environmental conditions of frost or heat (application temperature: 5°C to 35°C)
- The above instructions for use are indicative for the correct use of the product. For more accurate and precise technical details you can contact the technical department of the company

## COMPLIANCE WITH STANDARDS

It has CE marking and Declaration of Performance as CT-C25-F4 , according to EN 13813.


## HEALTH, SAFETY & ENVIROMENTAL PROTECTION

Detailed information and instructions regarding the safe management of the product and in matters of Health & Safety, are provided in the most recent Safety Data Sheet (SDS), copies of which are available on the company's website <https://marmoline.gr/> or upon request.

## LEGAL NOTICE

We guarantee the quality of all our products, based on their technical specifications, as described in the

Declaration of Performance (CE) and this Technical Data Sheet. Such guarantee refers only to the products that we deliver for use and never to its application or final result, which largely depends on the experience and quality of work of each user and on the application conditions. The user is advised to test the product on a small scale, and if he is satisfied with the result, then to use the product on large scale in his project. All data stated in this Technical Data Sheet are based on laboratory tests. The really measurable data might differentiate due to conditions that are not subject to our control. The recommendations and implementation instructions must be considered by the user as indicative, and always with given that the product has been traded and traded and stored according to its instructions. As it is not possible to control the parameters/conditions of its application product in practice, no guarantee is provided for the final result of each application. Consequently, no legal liability of the Company can be established based on the information and instruction given in this Technical Data Sheet. The Company reserves the right to modify data listed in this Product Data Sheet, with no previous warning. Users must refer to the latest version of the product Technical Data Sheet.

 25 DoP:105 MARMO-CPR
NORDIA S.A. 364 Kifissias Av., 15233 Chalandri, Athens/ Greece
EN 13813:2002 MARMOLINE GB 250 cement screed
Reaction to fire: <i>A1</i> Release of corrosive substances: <i>CT</i> Compressive strength: <i>C25</i> Flexural strength: <i>F4</i>