

## GB 30

EN 13813  
CT C12 F4 A6

### Floor Cement Screed 3-15cm

#### DESCRIPTION

Ready to use industrial mortar based on Portland grey cement, white marble aggregates and special additives to improve adhesion to difficult surfaces and improve its flow properties. It does not contain lime. Simply mix with water. It minimizes material preparation time and increases the speed of application. Recommended application thickness: 3 to 15 cm.

The product is accompanied by an Environmental Product Declaration (EPD) regarding the environmental impact during its life cycle (EPD registration number: S-P-11336

#### APPLICATION FIELDS

Used for filling, leveling and sloping of floors, to create a final surface suitable for fixing ceramic tiles, marbles or granites. You can use it indoors or outdoors:

- Balconies
- Roofs
- Flat-roofs
- Underfloor heating systems. It does not crack. It does not affect pipes

#### CHARACTERISTICS/ ADVANTAGES

GB 30 floor cement screed has the following advantages:

- High strength
- Excellent adhesion
- Moistureproof
- Frost-proof
- Prevents cracking
- Excellent final surface
- Indoor and outdoor use
- Easy to apply
- Excellent workability
- Fast to prepare
- Stable quality

## 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>Apparent density of dry powder:</b>	1650 Kg/m <sup>3</sup>	
<b>Specific gravity of wet mortar:</b>	2000 Kg/m <sup>3</sup>	
<b>Maximum grain size:</b>	3 mm	
<b>Compressive strength in 28 days:</b>	> 12 MPa	(EN 13892-2)
<b>Flexural strength in 28 days :</b>	> 4 MPa	(EN 13892-2)

## APPLICATION INFORMATION

<b>Substrate temperature</b>	+5°C / +35°C
<b>Environmental temperature</b>	+5°C / +35°C
<b>Mixing ratio</b>	3.10 - 3.45 lt water/25 kg bag
<b>Consumption</b>	16 - 17 kg/m <sup>2</sup> , for 1 cm application thickness

## APPLICATION INSTRUCTIONS

### SUBSTRATE PREPARATION

The substrate must be firm, compact, dry and free from dust, loosely attached particles and all kinds of dirt. The preparation of the substrate must be carried out by appropriate mechanical means (e.g. sanding, water blasting, etc.). It is recommended to wet the substrate before application.

### MIXING

Mix well in a concrete mixer, a bag with the necessary amount of water. The process is simplified by using professional machines available by the company.

The amount of water added is proportional to the desired fluidity. It is recommended to add 3.10 - 3.45 kg of water for a 25 kg bag.

### APPLICATION

Line each room separately by placing 1cm thick wooden slats on the doors. Then remove the slats and create a joint which should not be filled. On large surfaces, it is recommended to create expansion joints per 20 m<sup>2</sup>.

You can step on the floor cement screed after at least 12 hours, while the installation of marble or tiles is done after 48 hours.

## 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

- When you want to sprinkle, reduce the amount of water
- The recommended application thickness is from 3 to 15 cm
- 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

indicative, and always with given that the product has been traded and stored according to its instructions.

## COMPLIANCE WITH STANDARDS

It has CE marking and Performance Declaration as CT-C12-F4-A6, 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 [www.marmoline.gr](http://www.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

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.

 12 DoP:050 MARMO-CPR
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EN 13813:2002 MARMOLINE GB 30 Floor cement screed
Reaction to fire: <i>A1<sub>fl</sub></i> Release of corrosive substances: <i>CT</i> Compressive strength: <i>C12</i> Flexural strength: <i>F4</i> Wear resistance Böhme(*): <i>A6</i>

