MARMOLINE
ADVANCED BUILDING MATERIALS

www.marmoline.gr
e-mail: info@nordia.gr
Tel.: (+30) 22950 22225
Fax: (+30) 22950 22120

FLOW 200

EN 13813
CT C5 F2

Levelling floor screed 1-3cm

DESCRIPTION

Ready industrial mortar based on grey Portland cement, graded aggregates from the famous Greek Dionyssos marble, and special additives to improve adhesion to difficult surfaces and improve its flow properties. It does not contain lime. It minimizes material preparation time and increases the speed of application.

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

Independent VOC emission tests showed very low emission levels, comparable to the limits defined for EMICODE® EC1 PLUS products.

APPLICATION FIELDS

Use FLOW 200 to fill and level floors, to create a final surface for fixing ceramic tiles, marbles or granites. Suitable for indoors or outdoors use (balconies, roofs, flat-roofs, etc.). It does not crack.

It produces a perfect and particularly hard final surface. Recommended for thickness 1 to 3 cm

CHARACTERISTICS/ ADVANTAGES

- Very high strength
- Excellent adhesion
- Moisture- and frost-proof.
- Prevents cracking
- Excellent final surface
- Indoors and outdoors use.
- Easy to apply
- Excellent workability
- Fast to prepare

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PRODUCT INFORMATION

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

TECHNICAL CHARACTERISTICS

Specific gravity of wet mortar:	1950 Kg/m³	
Maximum grain size:	3 mm	
Compressive strength in 28 days:	≥ 6 MPa	(EN 13892-2)
Flexural strength in 28 days :	≥ 2 MPa	(EN 13892-2)

APPLICATION INFORMATION

Substrate temperature	+5°C / +35°C
Environmental temperature	+5°C / +35°C
Mixing ratio	3 – 3.4 lt water/25 kg bag
Consumption	16 - 18 kg of dry mortar /m², for 1 cm application thickness

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APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

The substrate must be firm, compact, dry and free from dust, loosely attached particles and all kinds of dirt. It is recommended to wet the substrate before application.

MIXING

In a clean container, put the necessary quantity of clean water and pour the content of the bag gradually, while stirring continuously, preferably with an electric mixer at slow speed (500 rev / min), until you get a homogeneous thin mortar mixture.

The amount of water added is proportional to the desired fluidity. It is recommended to add approx. 3 kg of water for a 25 kg bag.

APPLICATION

- Sprinkle the application surfaces with water, before and after applying the mortar, especially in summer period
- Spread and lay the fresh mortar in one layer, 1 to 3 cm thick.
- Step on the floor at least 12 hours later and fix tiles or marbles at least 48 hours later, depending on the weather conditions

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 quantities of water, for it may result in creation of cracks and reduce product's strength. Avoid thickness bigger than 3 cm
- Do not mix the material for too long and use it within half an hour
- 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

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COMPLIANCE WITH STANDARDS

It has CE marking and Performance Declaration as CT-C5-F2, 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 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.

CE 12 DoP:003 MARMO-CPR
NORDIA S.A. 364 Kifissias Av., 15233 Chalandri, Athens/ Greece
EN 13813:2002 MARMOLINE FLOW 200 Floor cement screed
Reaction to fire: *$A1_{fl}$* Release of corrosive substances: *CT* Compressive strength: *C5* Flexural strength: *F2* Wear resistance Böhme(*): *A12*