

FLOW SL 500

EN 13813
CT C40 F7

Self levelling quick setting underlayment cement screed 1-10 mm

DESCRIPTION

Ready to use, one component, cementitious-based, industrial product, based on high-strength grey cement of special granulometry, aggregates and special enhancing additives for fast and easy self-levelling coating of floors. It provides excellent levelling of the substrate.

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

Self leveling polymer modified cement screed, used to create flat and durable surfaces on concrete, cement screed, mosaic floors etc. Use it to fill cavities of floors and repair defects on existing substrates. Ideal in cases of floors where plastic tiles,

wooden floors or carpet are to be fixed. You can use it also on underfloor heating systems.

The final surface is high-strength and abrasion-resistant. In industrial buildings it can be left uncovered and be painted. It can also be the final surface of secondary building areas, such as warehouses, attics, basements etc

CHARACTERISTICS/ ADVANTAGES

- Easy and fast to apply
- Excellent workability
- Total self-levelling
- Perfectly smooth surface
- Strong adhesion to the substrate
- High compressive, flexural and abrasion strengths
- Does not shrink

PRODUCT INFORMATION

Composition	Portland Cement, aggregates of selected grading, special additives and polymer components
Colour	Grey powder
Packaging	30 kg paper bag - 1440 kg pallet (48 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:	2100 Kg/m ³
Compressive strength in 28 days:	40 MPa (EN 13892-2)
Flexural strength in 28 days :	7 MPa (EN 13892-2)
Shrinkage – Expansion:	<0,3mm /m
Step-on time:	24 hours
Setting time:	30 min
Abrasion strength:	Excellent (quartz aggregates)

APPLICATION INFORMATION

Substrate temperature	+5°C / +35°C
Environmental temperature	+5°C / +35°C
Mixing ratio	6 - 7 lt water/30 kg bag
Consumption	16 - 17 kg of dry mortar /m ² , 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.

Start by priming the substrate with MST 22 acrylic primer. Consumption of primer: 200 - 300 g/m².

For smooth surfaces it is recommended to use MARMOLINE PRO CONTACT primer

MIXING

Add the content of a bag in 6 - 7 lt of water, stirring constantly, until a homogeneous, lump-free mixture is obtained. It is recommended to mix with an electric mixer at low speed (300 revs/min).

Leave the mixture to set for about 3 minutes and stir again.

APPLICATION

- Apply the material once the primer is dry (appr. after 2 hours).
- Spread the cement screed on the prepared floor in one coat and lay to the desired thickness using a large notched metal trowel. The material is self-levelling.
- Roll the material back and forth with a roller to let the entrapped air escape

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 can reduce the product's strength and cause cracks
- Do not mix the mortar for too long and use 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 Performance Declaration as CT-C40-F7, 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 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.

 12 DoP:049 MARMO-CPR
NORDIA S.A. 364 Kifissias Av., 15233 Chalandri, Athens/ Greece
EN 13813:2002 MARMOLINE FLOW SL 500 Cementitious floor screed
Reaction to fire: <i>A1_f</i> Release of corrosive substances: <i>CT</i> Compressive strength: <i>C40</i> Flexural strength: <i>F7</i>