

# FLOW SL 1000

## Fast-setting, self-leveling, cementitious floor screed 10 - 30 mm

### DESCRIPTION

Fast-setting, polymer-modified, self-leveling cementitious floor screed. Suitable for smoothing, levelling and creating a flat durable surface on concrete floors, screeds, mosaic etc.

It is characterized by high compressive, flexural and abrasion resistances, very good adhesion to the substrate, full self-levelling, rapid curing/drying and low shrinkage.

Used to create a smooth, flat and durable final surface to which any type of tile (and plastic) or wooden floor or carpet can be fixed.

Suitable for 10-30mm thickness applications.

### CHARACTERISTICS/ ADVANTAGES

- Ease of application – just add water
- High compressive, flexural and abrasion resistance
- Full self-levelling
- Extremely smooth surface
- Strong adhesion to the substrate
- Does not shrink
- Excellent workability
- Application speed

### FIELDS OF APPLICATION

FLOW SL 1000 is ideal for:

- The levelling of floors for creation a flat durable surface on which any type of tile, marble, wooden or plastic floor, carpet can be fixed.
- It can also be the final surface of secondary building areas, such as warehouses, lofts, basements etc.
- Fill cavities of floors and repair defects on existing substrates.
- For floors with underfloor heating.
- In industrial buildings, it can be left uncovered and painted.
- For indoor spaces.
- Ideal for applications where required speed of work due to the rapid its hardening.

### **PRODUCT INFORMATION**

<b>Composition / Colour</b>	Grey powder
<b>Packaging</b>	30 kg paper bag
<b>Storage</b>	12 months from the date of production in unopened package, in a dry place

### **TECHNICAL CHARACTERISTICS**

<b>Specific gravity of wet mortar:</b>	2100 Kg/m <sup>3</sup>
<b>Compressive strength in 28 days:</b>	40 MPa (EN 13892-2)
<b>Flexural strength in 28 days:</b>	7 MPa (EN 13892-2)
<b>Shrinkage – Expansion:</b>	<0,3mm /m
<b>Step-on time:</b>	24 ώρες
<b>Setting time:</b>	30 min
<b>Abrasion strength:</b>	Excellent (quartz aggregates)

### **APPLICATION INFORMATION**

<b>Substrate temperature</b>	+5°C / +35°C
<b>Environmental temperature</b>	+5°C / +35°C
<b>Dilution</b>	6,0-7,0 lt water/bag 30 kg
<b>Consumption</b>	16 - 17 kg of dry mortar per m <sup>2</sup> for 1 cm of thickness

## DIRECTIONS OF USE

### SUBSTRATE PREPARATION

Check that the substrate is clean, dry and free from loose particles and other materials.

Start by priming the substrate with MST 22 acrylic primer. Consumption of primer: 200 - 300 g/m<sup>2</sup>. For smooth surfaces, it is recommended to use MARMOLINE PRO CONTACT primer. Apply the material once the primer is dry (appr. after 2 hours).

### APPLICATION

- Add the content of a 30 kg 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.
- Spread the 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 with a spiked roller to let the entrapped air escape.

### TOOLS CLEANING

Raw material should be removed immediately from the application equipment with water. Hardened / mature material can only be removed mechanically.

## IMPORTANT NOTES

- The laying of the adhesive should be done at temperatures between +5°C and +35°C, without exposure to extreme weather conditions.
- Do not add excessive amounts of water because this can reduce the product's strength and cause cracks.

## 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, on the basis of 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 depend 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 technical data stated in this Product Properties Sheet based on laboratory tests. The really measurable data can have differentiated due to conditions that do not are subject to our control. The recommendations and implementation instructions must be considered from 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, cannot no guarantee is provided for result of each application. Therefore, no legal basis can be established liability of the Company based on the information and instructions here in Product Properties Sheet. The Company reserves the right amendment of those listed herein Product Properties Sheet, no warning. Users must refer to the latest version Product Properties Sheet

 13 DoP: 007 MARMO-CPR	
NORDIA A.E. 364 Kifissias Av., 15233 Chalandri, Athens, Greece	
EN 13813:2002 MARMOLINE FLOW SL 1000 Cementitious floor screed	
Release of corrosive substances:	CT
Compressive strength:	C40
Flexural strength	F7
Reaction to fire	Class A1
See detailed DoP in <a href="https://marmoline.gr">https://marmoline.gr</a>	