

# ST 60 CEM

EN 998-1  
GP/CSII

## Polymer-modified cementitious putty

### DESCRIPTION

Polymer-modified cementitious putty for external or internal use. Characterized by very good workability, high adhesion and excellent moisture resistance.

It is suitable for rendering surfaces, exposed concrete, as it is suitable for sealing cracks, pores and imperfections in concrete.

It is an ideal solution for finishing as it eliminates the need to render the surfaces (fair face putty).

### APPLICATION FIELDS

- Ideal for local repairs on concrete
- Ideal for sealing cracks
- Ideal for pore seals
- Suitable for smoothing surfaces made of concrete, render, etc.

### CHARACTERISTICS/ ADVANTAGES

- High strength
- Excellent adhesion
- Excellent workability
- Resistance to moisture and frost
- Indoor and outdoor use

## PRODUCT INFORMATION

|                           |   |
|---------------------------|---|
| <b>Colour</b>             | Grey powder   |
| <b>Packaging</b>          | 20 kg paper bag - 1080 kg pallet (54 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>Lifetime</b>           | 12 months from the date of production in unopened package   |

## TECHNICAL CHARACTERISTICS

|  |                        |              |
|--|------------------------|--------------|
| <b>Density of fresh mortar</b>         | 1600 Kg/m <sup>3</sup> |              |
| <b>Compressive strength in 28 days</b> | ≥ 5.0 MPa (CSII)       | (EN 1015-11) |
| <b>Flexural strength in 28 days</b>    | ≥ 1.8 MPa              | (EN 1015-11) |
| <b>Water absorption</b>                | W <sub>c0</sub>        | (EN 1015-18) |

## APPLICATION INFORMATION

|                                  |  |
|----------------------------------|--|
| <b>Environmental temperature</b> | +5°C / +30°C   |
| <b>Consumption</b>               | Approximately 1.5 kg/m <sup>2</sup> /mm layer thickness. |

## DIRECTIONS OF USE

### SUBSTRATE PREPARATION

- The substrate must be stable and free of dust, grease, loose materials, etc.
- Before applying ST 60 CEM, the substrate to be well saturated.

### MIXING

Put water in a clean container and add progressively and with constant stirring the powder of ST 60 CEM in a ratio of ST 60 CEM: water= 3:1 by volume, until a homogeneous pasty mass is created, suitable for installation.

## APPLICATION

The material remains workable for approximately 2 hours.

Do not use the material thicker than 2 mm because there is a risk of cracks.

## TOOLS CLEANING

Fresh/wet material should be removed immediately from the application equipment with water. Hardened/cured material can only be removed mechanically.


## 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 do not are 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.

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|---|--|
| <br>23<br>DoP: 092 MARMO-CPR |  |
| NORDIA SA<br>364 Kifissias Av., 15233 Chalandri, Athens, Greece   |  |
| EN 998-1:2016<br>MARMOLINE ST 60 CEM<br>General purpose plaster for internal or external use<br>(GP/CSII/)        |  |
| Reaction to fire:   | Class A1                                 |
| Capillary water absorption :  | W <sub>c</sub> 0                         |
| Water vapour diffusion coefficient:   | μ = 15/35                                |
| Adhesion after weathering cycles :  | ≥0.5 N/mm <sup>2</sup> (F <sub>p</sub> ) |
| Thermal conductivity:<br>(tab. mean value; P= 50%)  | (λ <sub>10,dry</sub> ) 0.53 W/mK         |
| Dangerous substances:   | See product's SDS                        |
| Durability:   | NPD                                      |