MARMOLINE
ADVANCED BUILDING MATERIALS

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SV 1

EN 998-1
GP/CSIV

High strength sprayed cement primer plaster

DESCRIPTION

Ready industrial mortar based on Portland grey cement, white marble aggregates, calcium hydroxide, and special additives to improve adhesion to difficult surfaces. Simply mix with water. It minimizes material preparation time.

With EUROFINS Indoor Air Comfort Gold certification which ensures that SV 1 meets the strictest European regulations regarding VOC emissions.

In addition, the product is accompanied by an Environmental Product Declaration (EPD) regarding the environmental impact during its life cycle. (EPD registration number: S-P-09530).

APPLICATION FIELDS

First coat plaster (sprayed or spattered) in all plastering techniques and methods, for the preparation of the substrate for application of the next coats of plasters.

Suitable for both interior and exterior surfaces. Apply it on bricks, cement blocks, aerated concrete elements (like YTONG etc.), concrete surfaces (pillars - ceilings - beams, etc.), stone.

In combination with the fiber-reinforced adhesive-plaster FK 202, it can be used as a thermal insulation boards, and other materials. In cases of very difficult surfaces, such as fair-face concrete, it is required to add the MARMOLINE MP 20 acrylic dispersion.

CHARACTERISTICS/ ADVANTAGES

- High strength
- Excellent adhesion
- Moisture and frost-proof
- Indoor and outdoor use
- Easy to apply
- Excellent workability
- Water repellent
- Low permeability
- Smooth - White surface
- Prevents cracking
- Fast to prepare
- Stable quality

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PRODUCT INFORMATION

Composition	Portland cement, white marble aggregates, calcium hydroxide, and special additives
Colour	Grey powder
Packaging	• 25 kg paper bag - 1500 kg pallet (60 paper bags) • 1000 kg Big Bag • In silos with a capacity of 12 – 18 – 22 m^3 with special application machines
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
Lifetime	12 months from the date of production in unopened package

TECHNICAL CHARACTERISTICS

Grading	0 - 4 mm	
Specific gravity of wet mortar	1980 Kg/m^3	
Compressive strength in 28 days	8 MPa (CSIV)	(EN 1015-11)
Flexural strength in 28 days	2 MPa	(EN 1015-11)

APPLICATION INFORMATION

Substrate temperature	+5°C / +35°C
Environmental temperature	+5°C / +35°C
Mixing ratio	3.8 – 4.4 lt of water /bag of 25 kg
Consumption	Approx. 6 - 8 kg of mortar per m^2 for a layer with 0.5 cm thickness

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DIRECTIONS OF USE

SUBSTRATE PREPARATION

Check and prepare the application surface. Make sure that the surface is clean and saturate it with water.

For better results in the subsequent coats of plaster, it is recommended to apply MARMOLINE metal guides and corner beads.

MIXING

Mix by hand or using special machines (mixers - pumps) supplied by MARMOLINE, which make work simpler and faster

Add water, depending on the desirable fluidity of the mix

For even better adhesion on difficult surfaces, MARMOLINE MP 20 acrylic dispersion can be added to the water, in a ratio 1:3 (MP20:water)

APPLICATION

Apply the mix evenly on the surface, using a trowel or a machine, at a thickness up to 1 cm

Saturate the surface at the same day and repeat it periodically for the next 2 – 3 days, depending on weather and temperatures.

TOOLS CLEANING

Fresh/wet material should be removed immediately from the application equipment with water. Hardened/cured material can only be removed mechanically.
In case you use a pump, the hoses must be cleaned well after the end of the work.

IMPORTANT NOTES

- Do not add excessive quantity of water for it may cause cracks and reduced strength
- Do not mix the material for too long. Use it within half an hour
- Do not apply at a thickness greater than that proposed.
- It is recommended to saturate the plastered surfaces with water, before and after application, especially in summer months
- It is not recommended to use it in extreme weather conditions (frost or heatwave). Application temperature +5°C to +35°C

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

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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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DoP: 025 MARMO-CPR

NORDIA A.E.
364 Kifissias Av., 15233 Chalandri, Athens, Greece

EN 998-1:2016
MARMOLINE SV 1
General purpose cement plaster for internal or external use (GP/CSIV)

Reaction to fire:	Class A1
Capillary water absorption :	W_c0
Water vapour diffusion coefficient:	$\mu = 18$
Adhesion after weathering cycles :	$\geq$0.6 N/mm^2 ($FP_{a/b}$)
Thermal conductivity: (tab. mean value; P= 50%)	($\lambda_{10,dry}$) 0.65 W/mK
Dangerous substances:	See product's SDS
Durability:	NPD