MARMOLINE
ADVANCED BUILDING MATERIALS

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SV 3

EN 998-1
GP/CSIII

Marble-based white finish coat plaster

DESCRIPTION

Ready industrial mortar based on high-strength Portland white cement (I – 52.5), white marble aggregates, calcium hydroxide and special additives to improve adhesion. Mix only with water. It minimizes material preparation time.

With EUROFINS Indoor Air Comfort Gold certification which ensures that SV 3 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

As finish-coat plaster when applying the three-coat technique, (marble based), on exterior and interior surfaces previously roughcasted with SV 2 base-coat plaster. Due to its fine grading (< 1.2 mm) and to the physical characteristics of marble powder, it gives a white and smooth final surface ready for scrubbing and painting. In special cases, the product can be reinforced with MARMOLINE MP 20 acrylic dispersion.

CHARACTERISTICS/ ADVANTAGES

- High strength
- Excellent adhesion
- Indoor and outdoor use
- Easy to apply
- Excellent workability
- Smooth - White surface
- Prevents cracking
- Fast to prepare
- Stable quality

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PRODUCT INFORMATION

Composition	Portland white cement (I – 52.5), white marble aggregates, calcium hydroxide, and special additives
Colour	Off-white powder *(Color tone variations may occur between batches, as the raw materials include crushed white Dionyssos marble aggregates, which naturally shows fluctuations in shade)*
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 – 1.2 mm	
Specific gravity of wet mortar	1900 Kg/m^3	
Compressive strength in 28 days	4 MPa (CSIII)	(EN 1015-11)
Flexural strength in 28 days	1 MPa	(EN 1015-11)
Water absorption	W_c0	(EN 1015-18)

APPLICATION INFORMATION

Substrate temperature	+5°C / +35°C
Environmental temperature	+5°C / +35°C
Mixing ratio	5.3 – 6 lt of water /bag of 25 kg
Consumption	Approx. 7 kg of mortar per m^2 for a layer with 0.5 cm thickness

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DIRECTIONS OF USE

SUBSTRATE PREPARATION

Apply it after SV 2 base-coat plaster, once this is completely dry (15 - 20 days in summer, more than 1 month in winter).

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

MIXING

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

APPLICATION

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

Apply in one coat, approximately 0.5 cm thick. Distribute the wet mortar uniformly on the wall using a lath.

Leave the wet mortar to set and then, for the finishing touch, float the surface with a large hard sponge or with a piece of EPS.

Setting time depends on season (temperature and humidity). In winter this can be over an hour, while in summer it can be less than half an hour. Therefore, depending on the season, the crew must make different arrangements.

In the next 2 – 3 days, especially in summer period, it is recommended to saturate the surface regularly, in order to avoid possible cracks .

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
- It is not recommended to use it in extreme weather conditions (frost or heatwave). Application temperature +5^{o}C to +35^{o}C
- To protect the finished surface, especially in exterior applications, it is recommended to apply a suitable protective paint (such as MARMOLINE FLYING COLOURS EXTERIOR) or an organic coating with water-repellent properties (such as MARMOLINE SVR MAX). The finishing system must be compatible with the render and should be selected based on exposure conditions and project requirements.

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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 NOTES

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.

CE
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DoP: 027 MARMO-CPR

NORDIA A.E.
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EN 998-1:2016
MARMOLINE SV 3
General purpose plaster for internal or external use
(GP/CSIII)

Reaction to fire:	Class A1
Capillary water absorption :	W_c0
Water vapour diffusion coefficient:	$\mu = 5$
Adhesion after weathering cycles :	$\geq$0.6 N/mm^2 (FP_b)
Thermal conductivity: (tab. mean value; P= 50%)	($\lambda_{10,dry}$) 0.61 W/mK
Dangerous substances:	See product's SDS
Durability:	NPD