MARMOLINE
ADVANCED BUILDING MATERIALS

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SV 60

EN 998-1
OC/CSII/W_c1

One coat white plaster

DESCRIPTION

Ready mortar based on high-strength Portland white cement (I-52.5), aggregates of selected granulometry, calcium hydroxide, and special additives to improve adhesion. Simply mix with water. It minimizes material preparation time and increases the speed of application.

With EUROFINS Indoor Air Comfort Gold certification which ensures that SV 60 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 one-coat plaster, on exterior and interior surfaces, after having applied SV1 (high-strength cement primer plaster). It replaces roughcasting and marble–based finish-coat plaster, combining both in one coat.

Apply it just like render and scrub like marble–based finish-coat plaster. Due to the nature and the fine granulometry of the aggregate material ($\leq$ 2 mm), it gives a smooth final surface ready for scrubbing and painting.

Apply it either by hand, with a trowel (for handyman work), or with plastering pumps. In special cases, the product can be reinforced by adding MARMOLINE MP 20 acrylic dispersion

CHARACTERISTICS/ ADVANTAGES

- High strength
- Excellent adhesion
- Moisture and frost-proof
- Indoor and outdoor use
- Easy to apply
- Excellent workability
- Increased productivity
- Reduced labour cost
- Smooth surface
- Fast to prepare
- Stable quality

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PRODUCT INFORMATION

Composition	Portland white cement (I-52.5), aggregates of selected grading, 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	• 30 kg paper bag - 1440 kg pallet (48 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 – 2 mm	
Specific gravity of wet mortar	1600 Kg/m^3	
Compressive strength in 28 days	3.5 MPa (CSII)	(EN 1015-11)
Flexural strength in 28 days	1.1 MPa	(EN 1015-11)

APPLICATION INFORMATION

Substrate temperature	+5°C / +35°C
Environmental temperature	+5°C / +35°C
Mixing ratio	5.5 lt of water /bag of 30 kg
Consumption	12-14 kg of mortar per m^2 for a layer with 1 cm thickness

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DIRECTIONS OF USE

SUBSTRATE PREPARATION

- Check the application surface so that to be clean. SV1 cement primer plaster must have been previously applied.
- Saturate the surface with water, especially in hot summer months and apply.
- For better results, it is recommended to attach MARMOLINE corner beads. The use of corner beads enhances application's performance, while ensuring the strength of the corners against micro-bumps, and the perfect aesthetics of the finished surface
- Avoid the use of removable metal plaster guides. Use galvanized MARMOLINE metal plaster guides. If this is not possible, you should fill well the groove, after removing the metal plaster guides, in order to avoid cracks
- Do not use other materials (such as gypsum etc.) to fix the plaster guides and the corner beads

MIXING

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

APPLICATION

- Apply with the special machine (pump). In small surfaces, you can apply the mix by hand, using a trowel
- Apply in one coat, up to 2.5 cm thick.
- On the joints of different structural elements, on the insulators and anywhere else needed, fix the MARMOLINE fibreglass mesh. It is extremely important, for the proper function of the fibreglass mesh, to place it to a depth 0.5 cm from the exterior surface of the plaster.
- Leave the wet mortar to set and smooth out any existing flaws with a large metal spatula
- Moisten slightly the surface with water and float by means of an EPS or a rough sponge to obtain a surface ready for puttying and painting
- For the next two to three days, especially during summer, we recommend frequent sprinkling of the plaster, with water, to eliminate the possibility of cracking
- The setting time depends on the season (temperature and humidity). In winter, such time can be over 2 hours, while in warm summer period it can be less than an hour.

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°C to +35°C

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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 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.

CE
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DoP: 029 MARMO-CPR

NORDIA SA
364 Kifissias Av., 15233 Chalandri, Athens, Greece

EN 998-1:2016
MARMOLINE SV 60
One coat plaster for internal or external use
(OC/CSII/W_c1)

Reaction to fire:	Class A1
Capillary water absorption :	W_c1
Water permeability after weathering cycles	< 1ml/cm^2
Water vapour diffusion coefficient:	μ = 5/20
Adhesion after weathering cycles :	0.3 N/mm^2 (FP_a)
Thermal conductivity: (tab. mean value; P= 50%)	($\lambda_{10,dry}$) 0.37 W/mK
Dangerous substances:	See product's SDS
Durability:	NPD