

SV 2

Base coat plaster

EN 998-1
GP/CSII

DESCRIPTION

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

With EUROFINS Indoor Air Comfort Gold certification which ensures that SV 2 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

Base coat plaster (roughcast), on exterior and interior surfaces, when applying the three-coat technique, to smooth out the surface in order to apply a finish-coat plaster. Use it also to form mortar application guides.

You can apply it on bricks, cement blocks, aerated concrete elements, concrete surfaces (pillars - ceilings - bind-beams, etc.), stone, thermal insulation boards and other materials, provided that SV 1 primer plaster has been previously applied.

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
- Prevents cracking
- Indoor and outdoor use
- Easy to apply
- Excellent workability
- Fast to prepare
- Stable quality

PRODUCT INFORMATION

Composition	Portland cement, white marble aggregates, calcium hydroxide and special additives
Colour	Grey powder
Packaging	<ul style="list-style-type: none"> • 25 kg paper bag - 1500 kg pallet (60 paper bags) • 1000 kg Big Bag • In silos with a capacity of 12 – 18 – 22 m³ 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	1960 Kg/m ³	
Compressive strength in 28 days	2.6 MPa (CSII)	(EN 1015-11)
Flexural strength in 28 days	0.8 MPa	(EN 1015-11)
Shrinkage:	<0.9 mm	

APPLICATION INFORMATION

Substrate temperature	+5°C / +35°C
Environmental temperature	+5°C / +35°C
Mixing ratio	4.4 – 5 lt of water /bag of 25 kg
Consumption	Approx. 16 kg of mortar per m ² for a layer with 1 cm thickness

DIRECTIONS OF USE

SUBSTRATE PREPARATION

Check and prepare the application surface. Make sure that the surface is clean and check whether SV 1 primer plaster has been previously applied.

Saturate the application surface with water, especially in summer months.

Attach MARMOLINE corner beads. DO NOT USE other material, such as gypsum etc., for fastening them on the wall

MIXING

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

APPLICATION

- Apply a layer up to 2.5 cm thick and distribute the wet mortar uniformly on the wall using a lath. If you want thicker layer, it is recommended to apply not more than two consecutive coats of 1 - 2 cm each.
- The time between the two consecutive coats can vary from 2 to 10 days, depending on the season, so that the material of the previous coat is completely dry
- It is recommended to roughen the first coat surface with a notched trowel in order to ensure the appropriate adhesion of the second one. In addition, before applying the second coat, saturate the surface for the same purpose
- On the brick - concrete elements joints, on the lintels and on the channels of hydraulic and electrical installation, it is necessary to use MARMOLINE fiberglass mesh. Make sure that the fiberglass is fully covered by the SV2 layer

- Avoid the use of removable metal guides. Use the galvanized MARMOLINE metal plaster guides. If this is not possible, fill well the channel that is left after removing the guides, in order to avoid cracks.
- On surfaces covered with insulation boards (EPS-XPS), in order to avoid cracks you must cover them with an appropriate MARMOLINE fiberglass mesh, in combination with the polymer modified adhesive MARMOLINE FK 202. In this case, SV2 plaster should be applied at least 15 days after the FK 202 application.
- The setting time depends on the season (temperature and humidity). In winter it can be over 1 hour, while in summer it can be less than half an hour. Therefore, depending on the season, the crew must make different arrangements
- It is recommended to regularly saturate the finished surface, especially during summer months.

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

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.

 12 DoP: 026 MARMO-CPR	
NORDIA A.E. 364 Kifissias Av., 15233 Chalandri, Athens, Greece	
EN 998-1:2016 MARMOLINE SV 2 General Purpose cement plaster for internal or external use (GP/CSII)	
Reaction to fire:	Class A1
Capillary water absorption :	W:0
Water vapour diffusion coefficient:	$\mu = 10/20$
Adhesion after weathering cycles :	$\geq 0.25 \text{ N/mm}^2 \text{ (FP}_a\text{)}$
Thermal conductivity: (tab. mean value; P= 50%)	$(\lambda_{10, dry}) 0.58 \text{ W/mK}$
Dangerous substances:	See product's SDS
Durability:	NPD