MARMOLINE
ADVANCED BUILDING MATERIALS

www.marmoline.gr
e-mail: info@nordia.gr
Tel.: (+30) 22950 22225
Fax: (+30) 22950 22120

SV 103

EN 998-1
R/CSII

White repair plaster

DESCRIPTION

Ready, white mortar of single layer repair plaster, based on Portland white cement, calcium hydroxide, aggregates of selected granulometry and special additives to ensure strong adhesion to the substrate and high mechanical strength.

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

Use it to repair and restore worn parts of plaster, in old and new structures, on exterior and interior surfaces of buildings. For repair and restoration works on parts of plaster.

Ideal for the repair of corners, and as restoration coating in cases of removal of the traditional marble sand plaster, when affected by frost.

Due to its special composition, it is an indispensable tool for both professionals (house painters - electricians - aluminium technicians - plumbers) and consumers .

CHARACTERISTICS/ ADVANTAGES

- Single layer plaster
- High mechanical strength
- Strong adhesion to the substrate, e.g. concrete, bricks, DOW panels, plastic or metal pipes, etc.
- Excellent adhesion and cooperation with the old plaster
- It reinforces the masonry around the application area
- Easy to apply even by non-professionals
- Increased durability
- Resistance to temperature fluctuations
- Flexibility

www.marmoline.gr
e-mail: info@nordia.gr
Tel.: (+30) 22950 22225
Fax: (+30) 22950 22120

PRODUCT INFORMATION

Composition	Portland white cement, 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	25 kg paper bag - 1500 kg pallet (60 paper bags)
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	1630 Kg/m³	
Compressive strength in 28 days	3.0 MPa (CSII)	(EN 1015-11)
Flexural strength in 28 days	1.2 MPa	(EN 1015-11)

APPLICATION INFORMATION

Substrate temperature	+5°C / +35°C
Environmental temperature	+5°C / +35°C
Mixing ratio	5 - 5.5 lt of water /bag of 25 kg
Consumption	Approx. 12 - 14 kg of mortar per m^2 for a layer with 1 cm thickness

www.marmoline.gr
e-mail: info@nordia.gr
Tel.: (+30) 22950 22225
Fax: (+30) 22950 22120

DIRECTIONS OF USE

SUBSTRATE PREPARATION

- Check and prepare the application surface. Using hard brush and water, thoroughly clean the loose particles, dust etc.
- If the cleaning of the old plaster reaches such a depth that the brick or concrete surface is exposed, then the primer plaster MARMOLINE SV1 must be applied before applying the repair plaster SV 103. The surface must be thoroughly cleaned and, if necessary, repaired. For better adhesion of the primer plaster SV1, MARMOLINE MP 20 acrylic dispersion may be added to the mixing water in a ratio of 1:3 (MP20: water).

MIXING

Mix SV 103 by hand or in a cement mixer, with the appropriate quantity of water.

APPLICATION

- Saturate the surface with water.
- Apply by hand or using a trowel, in one coat up to 2.0 cm thick
- Use the MARMOLINE fibreglass mesh for the joints of different structural elements, on the insulation panels and anywhere else needed
- For difficult repairs and to further improve adhesion and flexibility properties, it is recommended to add to the mixing water the acrylic dispersion MARMOLINE MP 20 in a ratio of 1:3 (MP20: water).
- Once applied, it delivers a surface ready for puttying and painting

TOOLS CLEANING

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

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.

www.marmoline.gr
e-mail: info@nordia.gr
Tel.: (+30) 22950 22225
Fax: (+30) 22950 22120

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
13
DoP: 067 MARMO-CPR

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

EN 998-1:2016
MARMOLINE SV 103
Renovation mortar
(R/CSII)

Reaction to fire:	Class A1
Capillary water absorption :	>0.3kg/m^2 after 24 h
Water vapour diffusion coef.:	μ=11
Adhesion after weathering cycles :	0.6 N/mm^2 (FP$_b$)
Thermal conductivity: (tab. mean value; P= 50%)	($\lambda_{10,dry}$) 0.37 W/mK
Durability:	NPD
Dangerous substances:	See product's SDS

EPD®
TÜVNORD TÜV HELLAS S.A. ISO 9001 tuvhellas.gr
TÜVNORD TÜV HELLAS S.A. ISO 14001 tuvhellas.gr