

# BP 115

EN 998-1  
OC/CSII/W<sub>2</sub>

## One coat white plaster

### DESCRIPTION

Ready industrial mortar based on high-strength Portland white cement (I-52.5), aggregates of selected granulometry, calcium hydroxide, and special additives to improve adhesion.

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

### FIELDS OF APPLICATION

One-coat plaster for use on exterior and interior surfaces after SV 1 high-strength sprayed cement primer plaster. It replaces roughcasting and marble based finish-coat plaster, combining both in one coat. Apply just like render and scrub like marble based finish-coat plaster. Due to the nature and the fine granulometry of aggregate material (<2 mm), it gives a smooth final surface ready for scrubbing and painting. 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

## PRODUCT INFORMATION

<b>Composition</b>	High-strength Portland white cement (I-52.5), aggregates of selected grain size, special additives and polymer components
<b>Appearance /colour</b>	White powder
<b>Packaging</b>	25 kg paper bag – 1500 kg pallet (60 bags)
<b>Storage conditions</b>	Store in the original, closed, sealed packaging, protected from direct sunlight and frost and at temperatures from +5°C to +35°C
<b>Shelf life</b>	12 months from date of manufacture

## TECHNICAL CHARACTERISTICS

<b>Specific gravity of wet mortar:</b>	1650 Kg/m <sup>3</sup>
<b>Grading:</b>	0 - 2 mm
<b>Compressive strength in 28 days:</b>	3.0 MPa (CSII) (EN 1015-11)
<b>Flexural strength in 28 days:</b>	1.5 MPa (EN 1015-11)
<b>Water absorption:</b>	<0.15 kg /m <sup>2</sup> .min <sup>0.5</sup> (W <sub>c2</sub> ) (EN 1015-18)

## APPLICATION INFORMATION

<b>Substrate temperature</b>	+5°C / +35°C
<b>Ambient temperature</b>	+5°C / +35°C
<b>Mixing ratio</b>	4.4 – 4.7 lt of water /bag of 25 kg
<b>Consumption</b>	Approx. 13 kg of mortar per m <sup>2</sup> of 1 cm thick plaster

## DIRECTIONS OF USE

### SUBSTRATE PREPARATION

Check that the substrate is clean, dry and free from loose particles and other materials.

Check and prepare the application surface by applying SV 1 sprayed primer plaster .

The surface to be plastered should first be thoroughly wetted with water, especially during the summer months.

### MIXING

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

### APPLICATION

- For better results, it is recommended to attach corner beads submitted by MARMOLINE. 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, by using galvanized metal plaster guides submitted by MARMOLINE. If this is not possible, you should fill well the groove left, after removing the metal plaster guides, to avoid cracks
- Do not use other materials (such as gypsum etc.) to fix the plaster guides and the corner beads
- Apply using special machines (mixers - pumps), supplied by MARMOLINE
- The water supply should be adjusted at 500-600 lt/hr, depending on the ambient conditions. For application by hand you will need about 4.4 – 4.7 lt of water for a 25 kg bag
- Apply in one coat, up to 2.0 cm thick.

- On the joints of different structural elements, on the insulators and anywhere else needed, fix the fibreglass mesh submitted by MARMOLINE. It is extremely important for the proper function of the fibreglass mesh, to place it to a depth of 0.5 cm from the exterior surface of the plaster.
- On surfaces with insulators such as expanded or extruded polystyrene, the recommended maximum thickness should not exceed 2 cm combined with the FK 202 fibre-reinforced plaster and the MARMOLINE special fibreglass mesh. The BP 115 layer follows the application of FK 202 (see its technical data sheet). Depending on the time period and the environmental temperature, the application of BP 115 must be made at least 8 days later (in summer time) and at least 15 days later (in winter time, and without having rained).
- Leave the wet mortar to set and smooth the surface with a large metal spatula to smooth out the existing flaws
- Sprinkle the surface with water and scrub 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) and the layer thickness. It is usually 1 – 2 hours.
- As with all plasters, we recommend that you verify the applied material is thoroughly dry before painting the surface

### TOOLS CLEANING

Fresh material should be removed from the equipment with water immediately after application. Hardened/mature material can only be removed by mechanical means.

## IMPORTANT NOTICE

- Not recommended for use in extreme weather conditions (frost or heatwave). Application temperature +5 °C to +35 °C.
- The content of the bag should be protected from humidity
- Do not add excessive amounts of water because this can reduce the product's strength
- In case you use a pump, the hoses must be cleaned well after the end of the work

## HEALTH, SAFETY & ENVIRONMENTAL 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 are not 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: 020 MARMO-CPR	
NORDIA SA 364 Kifissias Av., 15233 Chalandri, Athens, Greece	
EN 998-1:2016 MARMOLINE BP 115 One coat plaster for internal or external use (OC/CSII/ W <sub>c2</sub> )	
Reaction to fire:	Class A1
Capillary water absorption :	W <sub>c2</sub>
Water permeability after weathering cycles:	< 1 ml/cm <sup>2</sup>
Water vapour diffusion coefficient :	μ= 5/20
Adhesion after weathering cycles	0.6 N/mm <sup>2</sup> (FPc)
Thermal conductivity/density ( <i>tab. mean value; P= 50%</i> )	(λ <sub>10,dry</sub> ) 0.33 W/mK
Dangerous substances:	See product's SDS