

AQUATA 240

Cementitious brushable waterproofing slurry

EN 1504-2

EN 14944-3

DESCRIPTION

Single component ready mortar, based on Portland cement, white marble aggregates and special additives to improve waterproofing and watertightness. Apply for substrate waterproofing by way of precaution or for repair.

FIELDS OF APPLICATION

Waterproofing of elements of masonry concrete and plaster. Apply in cases varying from simple dampness to water under pressure. Suitable for the sealing of underground walls indoors and outdoors before backfilling (for repair or by way of precaution), plant stands, tanks, swimming pools, etc. Apply on vertical and flat surfaces of concrete, stone, bricks, cement blocks, plasters, aerated concrete, etc. which are to be coated with ceramic tiles or marble. Excellent adhesion to the substrate. For specific requirements and flexibility, it is recommended to add the acrylic resin MARMOLINE MP 20.

CHARACTERISTICS/ADVANTAGES

- Protects the surfaces from positive and negative hydrostatic pressure and from corrosion
- Excellent adhesion and waterproofing
- Moisture and frost-proof
- Suitable for indoor and outdoor use
- Breathable after application; it can be coated with tiles, painted or plastered
- Easy to use and cost-effective

PRODUCT INFORMATION

Composition	Portland cement, selected aggregates and special additives.
Appearance/Colour	Grey powder
Packaging	Paper bag 25 kg - 1500 kg pallet (60 paper bags) Plastic bag 5 kg – carton box 20 kg – 960 kg pallet (48 carton boxes)
Storage conditions	Store in the original, closed, sealed packaging, protected from direct sunlight and frost and at temperatures from +5°C to +35°C
Shelf life	12 months from date of manufacture

TECHNICAL CHARACTERISTICS

Specific gravity of wet mortar:	~ 1.75 kg/lt (+20°C)	
Grading:	Up to 0.5 mm	
Water vapour permeability:	Class I ($s_D < 5$ m)	(EN ISO 7783)
Adhesion strength by «pull-off» test:	≥ 1.0 MPa	(EN 1542)
Capillary water absorption:	$w \leq 0.1$ kg/m ² h ^{0,5}	(EN 1062-3)
Compressive strength in 28 days:	12 MPa	(EN 1015-11)
Flexural strength in 28 days:	3.5 MPa	(EN 1015-11)
Product suitable for contact with water intended for human consumption:	It conforms with the standard for Influence of (EN 14944-3) cementitious products on water intended for human consumption (Migration of substances)	

APPLICATION INFORMATION

Substrate temperature	+5°C / +35°C
Ambient temperature	+5°C / +35°C
Mixing ratio	9.5 – 11 lt of water / bag of 25 kg
Maximum application thickness	1 mm /coat
Working time	~45 min
Consumption	Approx. 2.5 - 3 Kg of mortar /m ² for 2 mm of thickness

DIRECTIONS OF USE

SUBSTRATE PREPARATION

The substrate must be firm, compact, dry and free from dust, loosely attached particles and all kinds of dirt. The preparation of the substrate must be carried out by appropriate mechanical means (e.g. sanding, water blasting, etc.).

Use appropriate fast-setting materials to seal the places where there is water leak.

Repair starter bars, wooden moulds and then saturate the surface.

MIXING

Add water to MARMOLINE AQUATA 240 and mix until you get a homogeneous paste.

Leave the mixture to settle for 3 minutes and mix again, adding the rest of the amount of water.

Mix the blend regularly during application.

During application, stir the mixture again at regular intervals without adding more water

APPLICATION

Apply the mix with special hard bristle brushes in 2 or more coats depending on the problem.

Apply the next coat crossways, before the previous one is well dry.

It is suggested to use MP 20 acrylic dispersion, where the needs for waterproofing and flexibility are quite high. Dilute MP20 with water before adding to

AQUATA 240 at a ratio of 1:1 or 1:3 depending on the desired result.

If the application of AQUATA 240 is followed by plastering, then you should apply first MARMOLINE SV1 with MP20 dispersion, to avoid any adhesion problems of the plaster with the sealant. After SV1, you can use any other MARMOLINE plaster (SV 2, SV 100), etc

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

- The application of the adhesive and installation of the tiles should be carried out at temperatures between +5°C and +35°C, without exposure to direct sunlight and strong wind.
- Apply only to stable, well-prepared substrates.
- Do not add any other material to the mixture.
- Do not add extra water to the material that has already started to set.
- Protect the application surface from frost, wind and direct sunlight for at least 24 hours after application.

COMPLIANCE WITH STANDARDS

CE marking and Declaration of Performance based on standards EN 1504-2 (surface protection systems for concrete)

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 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

 15 DoP:046 MARMO-CPR 0906
NORDIA S.A. 364 Kifissias Av., 15233 Chalandri, Athens/ Greece
EN 1504-2:2004 AQUATA 240 Surface protection products -Coating
Permeability to water vapour : class I Adhesion strength by pull-off test: $\geq 1,0$ MPa Capillary absorption and permeability to water : $w < 0,1$ kg/m ² h ^{0.5} Dangerous substances: <i>comply with §5.3</i> Reaction to fire: A2-s1,d0 see detailed DoP in https://marmoline.gr