

AQUATA SEAL 100

Elastomeric brushable waterproofing membrane

EN 1504-2

DESCRIPTION

White elastomeric sealant for roofs, without solvents, reinforced with acrylic resins.

FIELDS OF APPLICATION

It ideally covers any capillary cracks on the application surface, creating an elastic, sealing membrane, impermeable from water.

Use for roofs/terraces, balconies, cement screeds etc.

It can also be applied over older coatings of the same or similar materials, to renew surfaces, but also over safe membranes with mosaics and safe tiles, provided that the old surface has been well prepared beforehand.

CHARACTERISTICS/ADVANTAGES

- Very flexible white material, in temperatures between -20°C and +80°C.
- Ideal for covering capillary cracks.
- Resistant to future contractions and dilations.
- Creates a single sealed and elastic membrane without joints.
- Highly resistant to weather fluctuations and very durable.
- Resistant to UV radiation; reduces absorption of heat in summer.
- It does not peel off and does not develop fungus.

PRODUCT INFORMATION

Colour	White
Packaging	Plastic containers of 5 kg and 13 kg. • Palette of 300 kg, 60 containers of 5 kg. • Palette of 429 kg, 33 containers of 13 kg.
Storage conditions	In unopened/sealed package, stored in a covered area, in temperatures between +5°C and +35°C
Shelf life	24 months after production date if stored properly

TECHNICAL CHARACTERISTICS

Water vapour permeability :	$S_d = 0.52m$ Class I	(EN ISO 7783-2)
Capillary water absorption :	$0.095 \text{ kg}/(\text{m}^2 \cdot \text{h}^{0.5})$	(EN 1062-3)
Adhesion :	$\geq 2.0 \text{ N}/\text{mm}^2$	(EN 1062-6)
Reaction to fire:	F	(EN 13501-1)
Solar reflectance (SR):	83%	(ASTM E903-12 & ASTM G159-98)
Solar reflectance index (SRI):	104	(ASTM E1980-01)
Emittance (e):	0.89	(ASTM C1371-04a)

APPLICATION INFORMATION

Substrate /ambient temperature	+5°C / +35°C
Application	Apply in two layers, crosswise
Consumption	1.0 – 1.5 kg/m ² depending on the substrate.

DIRECTIONS OF USE

SUBSTRATE PREPARATION

Before use, clean the substrate from dust, loose material, etc.

For application on older coatings of the same or similar materials, the old surface must first be thoroughly cleaned, any cracks should be repaired and any swollen or loose parts should be removed.

New surfaces should be primed with MST 22 roof coating primer (approx. 200 gr/m²). Surfaces with older similar coatings definitely need priming only if they had problematic areas which had been repaired/smoothed.

APPLICATION

- Mix well before use.
- If there are cracks of more than 1 mm, they should be repaired with one of MARMOLINE's repair materials
- Depending on the case, you can reinforce the cracks locally, with a 10 cm fiberglass mesh strip (apply AQUATA SEAL 100 along the crack, and as long as the material is wet, and dip the fiberglass strip into it). If there are many cracks all over the surface, reinforce the whole surface with fiberglass mesh. Then apply a layer of the material over the whole length of the reinforcement.
- Apply with a paint roller or paintbrush. Lay the first layer of the material and, once dry, lay the second layer vertically to the first one.
- The finished surface should not be exposed to the rain, until it dries completely

For application on existing bituminous membranes with tessellation and bituminous tiles:

- Clean the surface from dust, loose materials, oils, dirt, lichens, etc. with water pressure or a stiff brush.
- Remove peeled, damaged parts of the bituminous membrane.
- Check the sticky bituminous surface: If the bituminous membrane is still "soft", then the application of acrylic is not advisable.
- Apply the product in 2-3 coats with a roller or brush.

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 should be carried out at temperatures between +5°C and +35°C.

COMPLIANCE WITH STANDARDS

CE marking and Declaration of Performance as surface protection product – coating – moisture control), according to EN 1504-2:2004.

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.

listed in this Product Data Sheet, with no previous warning. Users must refer to the latest version of the product Technical Data Sheet.


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

 13 DoP: 048 MARMO-CPR	
NORDIA S.A. 364 Kifissias Av., 15233 Chalandri, Athens, Greece	
EN 1504-2:2004 MARMOLINE AQUATA SEAL 100 (Surface protection products – Coating – Moisture Control)	
Water vapour permeability	$S_d = 0.52m$ Class I
Capillary absorption :	$w = 0.095 \text{ kg/m}^2 \cdot h^{0.5}$
Adhesion strength:	$\geq 2.0 \text{ N/mm}^2$
Reaction to fire:	F
Dangerous substances:	comply with §5.3
see detailed DoP in https://marmoline.gr	