

AQUATA PU 35

Polyurethane-based joint sealant

EN 15651-1
F-EXT-INT-CC

DESCRIPTION

Elastomeric, one ingredient, polyurethane-based joints sealant, in the form of thixotropic paste. Once it comes in contact with the air in the atmosphere, it transforms into a flexible and cohesive mass. It is available in white and gray.

Application temperature: + 5 °C to + 40°C

Operating temperature: - 40 °C to + 90°C.

FIELDS OF APPLICATION

It is used for sealings and adhesions in constructions, for industrial applications, internal decoration, and for applications in ships and vehicles. After its polymerization, it can be painted using any of the usual painting systems. It has adhesive capabilities to the majority of porous and non-porous substrates, such as: Concrete, ceramics, glass, wood, aluminum, stainless steel, galvanized or painted metal, firm or flexible plastic.

CHARACTERISTICS/ADVANTAGES

- Flexible behavior and high mechanical strength
- Adhesiveness to different types of materials
- Oscillation damping
- It can be painted over with water-based paints
- Very resistant to aging caused by UV radiation and humidity.

PRODUCT INFORMATION

Packaging	Aluminum cartridges of 310ml Tubes of 600ml
Storage conditions	At least 12 months in places with normal temperature and humidity

TECHNICAL CHARACTERISTICS

UNPOLYMERIZED MATERIAL:

Thixotropy:	Self-standing (does not sag)
Film formation time:	120-240 min (23 °C, 50% RH)
Polymerization speed:	2-3 mm/ 24hrs (23 °C, 50% RH)
Specific gravity:	1.27

POLYMERIZED MATERIAL:

Hardness SHORE A	30±3
Restoration capability (100% for 24h):	> 90%
Relative operational deformability:	25%.
Tensile strength at the breaking point (ISO 8339):	0.82 N/mm ²
Tensile strength at 100% elongation (ISO 8339):	0.41 N/mm ²
Elongation at breaking point of the specimen (ISO 8339):	450 %

DIRECTIONS OF USE

Preparation:

- Porous surfaces should be cleaned from dust, rickety materials, etc. by blowing with compressed air. Metal surfaces should be cleaned from oily substances using a solvent or gasoline.
- If you are concerned about the aesthetic result, you should place adhesive paper tape on both sides of the joint, which will be removed after the sealing, in order to avoid getting the surface dirty.
- If you want to seal concrete joints, it is recommended that you coat the edges of joints with a special primer, so as to strengthen the adhesive surface. The sealing should be placed 15 minutes to 3 hours after the coating of the primer.
- The width of the sealing should not be less than 5 mm (for joints) and 2 mm (for bondings). Also it should not exceed 3 cm (for joints) and 1 cm (for bondings). The depth of the sealing is one half of the width, for widths that exceed 1.5cm and equal to the width for widths smaller than 1.5cm.
- Where necessary, the depth of the sealing is regulated, with an expanded polyethylene cord, which prevents the adhesion of the material at the bottom thus allowing free monitoring of compressing and expanding. If the depth of the joint does not allow the placement of the cord, it is recommended that a polyethylene film be placed at the bottom in order to avoid adhesion.

Sealing :

- Cut the nozzle obliquely, so as to create an opening proportional to the width of the sealing.
- Insert the cartridge in a hand pistol or an air pistol and use it to insert the material in the joint.
- Shape the surface of the material with a spatula, so as to create a slightly negative meniscus.
- The material should be cleaned before its polymerization with white spirit. The polymerized material should be removed mechanically.

COMPLIANCE WITH STANDARDS

CE marking and Declaration of Performance as type F-EXT-INT-CC according to EN 15651-1

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 .

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MARMOLINE AQUATA PU 35 SEALANT FOR NON-STRUCTURAL USE EN 15651-1: F-EXT-INT-CC