

NOVAROOF AC FIBER



One component, fiber reinforced, waterproofing membrane

- ▷ **High flexibility**
 - ▷ **High adhesion to all common materials**
 - ▷ **High resistance to weather conditions**
 - ▷ **High solar reflectance**
 - ▷ **Easy to apply**
-

Description

NOVAROOF AC FIBER is a one-component, fiber-reinforced, waterproofing membrane in the form of a white paste. Its special composition consisting of acrylic resins, aggregates of suitable granulometry and advanced additives creates a flexible protective coating with high reflective capacity. It is very easy to work with a roller or brush, providing speed and comfort in the application.

Certifications

CE marking with the Declaration of Performance (DoP) C07152-CPR-1730800 as a coating for waterproofing and protection of concrete according to EN 1504-2:2004, Coating, Principles 2 & 8 – Methods 2.3 & 8.3 of EN 1504-9:2008.

Complies with the Directive 2004/42/EC for ready-to-use product (subcategory i, type WB) with a maximum VOC content of less than 140 g/L. The ready-to-use product NOVAROOF AC FIBER has a content of 5.3 g/L VOC.

Uses / Properties

NOVAROOF AC FIBER is suitable for waterproofing and protecting:

- Surfaces made of concrete and cementitious mortars exposed to weathering, such as terraces and structures near the sea
- Balconies with porous tiles of high-water absorption
- Masonry materials such as gypsum boards, cement boards, AAC blocks, stone, bricks, wood, etc.
- Aluminum and polyurethane foam
- Has excellent adhesion to various substrates with crack bridging ability
- Provides high water vapour permeability as well as solar reflectivity on all applied surfaces.

Technical Data

Product Identity

Consistency	Paste
Color	White
Chemical base	Water-based acrylic resins, special additives, fibers
Storage	12 months store in a dry place in the original sealed packaging

Application Data

Density	≈1,5 kg/L
Viscosity	≈ 20.000 mPa·s
Application temperature, ambient & substrate temperature	from +5°C up to +35°C
Elongation at break	400 ± 50 %
Hardness according to SHORE A	50
Solar reflectance	90 %

Final Performances according to EN 1504-2:2004

	Performance	Requirement	Method
Permeability to water vapour	$S_D \approx 3 \text{ m}$	$S_D < 5 \text{ m}$ (permeable)	EN 7783
Permeability to CO ₂	$S_D > 50 \text{ m}$	$S_D > 50 \text{ m}$	EN 1062-6
Capillary absorption and permeability to water	$\approx 0,06 \text{ kg/m}^2\text{h}^{0,5}$	$\leq 0,1 \text{ kg/m}^2\text{h}^{0,5}$	EN 1062-3
Tensile adhesion strength	$\geq 1,3 \text{ N/mm}^2$	$\geq 0,8 \text{ N/mm}^2$	EN 1542
Artificial weathering	Pass		EN 1062-11
Reaction to fire	F		EN 13501-1

Application Procedure

Substrate preparation

Cementitious substrates must be clean and solid, without cracks, free of dust, salts, grease and any other materials that could reduce the adhesion of NOVAROOF AC FIBER on them. In case the application is done on absorbent substrates such as concrete, cement mortars, etc. at high temperatures, the NOVAPRIMER primer must be applied. For more information, refer to the respective Product Technical Data Sheet.

Preparation of the mix

Mix with an electric mixer at low speed to homogenize the mixture. The mixture is ready to use.

Application

The application of the mixture on a large surface, properly prepared, is done with a brush or roller in at least two layers. The second layer is applied crosswise after 24 hours. The total application thickness should not be less than 2 mm. The application should cover the entire surface with a uniform thickness. Expect each previous coat to harden before applying the next one. In all critical zones, such as floor joints with vertical surfaces, the sealing zone must be reinforced with the use of a suitable polyester fleece. In the case of local cracking, the crack is applied to the material and after the polyester fleece is placed, NOVAROOF AC FIBER is applied sequentially along the cracks.

Recommendations

- Apply only upon structurally stable and well-prepared substrate
- Avoid application under direct sun exposure or/and strong wind
- Do not apply in ambient temperatures less than +5°C and higher than +35°C
- Protect the application surface from rain or frost the first 24 hours
- Do not place objects that could damage the coating
- The use of NOVAROOF AC FIBER in areas with permanent water presence is not recommended
- Do not apply to a total thickness of less than 2 mm
- Do not wet between layers
- It is recommended that the application be done by a professional user

Consumption

The consumption of NOVAROOF AC FIBER is 1-1.5 kg/m²/mm of thickness.

Cleaning

Tools, buckets, etc. can be cleaned with fresh and clean water if NOVAROOF AC FIBER is still fresh. After hardening occurs, cleaning can take place by mechanical means.

Storage

NOVAROOF AC FIBER remains stable for 12 months from production date inside its original sealed packaging, stored in protected dry area in temperature between +5°C and +35°C.

Packaging

Plastic containers of 5kg and 13kg.

Safety Instructions

For information and instructions regarding disposal and safe handling, users should refer to the latest Safety Data Sheet of the product containing ecological, toxicological and other safety related data.

Legal Notes

The technical data and recommendations contained or listed in this leaflet are the result of laboratory measurements, of our current knowledge and experience. All the above-mentioned information and specifications should in any case be considered as indicative, as they may differ from each other. The Company makes every effort to ensure the accuracy of the information provided herein. Product specifications, prices and availability are subject to change without notice and may differ from those shown.

In practice, variations in materials, substrates and on-site implementation conditions are such that no warranty can be given or implied, as to the merchantability or suitability of the materials for a particular purpose and for the exact conditions of each project. Anyone interested of using the product must be sure beforehand that the product is suitable for the intended use and in any case, the user is solely responsible for any consequences due to the use of the product. Among other things, the Company is not responsible for any normal wear or tear from environmental or other inappropriate conditions. We reserve the right to revise or change the data herein without prior notice.

Restrictions and disclaimers apply to the extent permitted by applicable law. The Company has a Technical Support Department, which is the only one responsible for providing technical advice and solutions to deal with problems. Requests to the Technical Support Department are addressed and answered, only in writing.

For the latest and a valid version of the Technical Data Sheet, the user of the material must refer to our website www.novamix.gr or directly to the QR Code of the product.



SCAN ME

DOMOCHEMICAL S.A.
40 Papanikoli str.
Chalandri, 15232, Athens
T +30 210 68 93 953
F +30 210 68 94 571
novamix@novamix.gr