



SC ELASTIC EASY

One component, cement-based waterproofing mortar

- ▷ **Excellent workability**
 - ▷ **High flexibility**
 - ▷ **High adhesion to almost all common building materials**
 - ▷ **Resistance to UV radiation with high resistance to ageing**
 - ▷ **Ideal substrate prior to PLANOCOLOR system applications**
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Description

SC ELASTIC EASY is a one component, fiber reinforced cement-based mortar composed of alkali-resistant polymers, selected aggregates and advanced additives, that creates a flexible protective coating. It can be easily applied using a brush, roller or spatula.

Certifications

CE marking with Declaration of Performance (DoP) C09393-CPR-2030710 as a cementitious mortar 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.

Also (DoP)C09393-CPR-2070050 as a cementitious product of wet application for waterproofing surfaces under ceramic tile coatings with improved crack capability at low temperature and resistant to contact with chlorinated water, category CM1OP according to EN 14891:2012.

Uses / Properties

SC ELASTIC EASY is suitable for waterproofing and protecting:

- Surfaces made of concrete and cementitious mortars exposed to weathering, such as terraces and structures near the sea
- Swimming pools, balconies and bathrooms prior tile application, as well as prior to the application of PLANOCOLOR decorative coverings (microcement, micro-pebble, stone carpet etc.).
- Ground or underground masonry such as foundations, basements, waterproofing zone in thermal insulation systems, (ETICS), etc.
- Masonry materials such as gypsum boards, cement boards, AAC blocks, stone, bricks, wood, etc.
- Can be applied even on wet surfaces. Ensures high vapour permeability.
- Has excellent adhesion to various substrates with crack bridging ability
- Easily applied on vertical surfaces
- Shall be mixed with water in appropriate ratio depending on the application method

Technical Data

Product Identity

Consistency	Powder
Color	Light grey
Chemical base	Portland cement, quartz aggregates, special additives, fibers
Granulometry	D_{max} : 0,3 mm
Apparent weight	$1,3 \pm 0,1$ kg/L
Storage	12 months store in dry place in the original sealed packaging

Application Data

Mixing ratio	Application method	Water dosage per 20 kg bag
	- by roller	- 7 L
	- by brush	- 6 L
	- by spatula	- 5 L
Density of fresh mortar	$\approx 1,5$ kg/L	
Workability time	≈ 30 minutes /20°C	
Application temperature, ambient & substrate temperature	from +5°C up to +35°C	
Application thickness	Maximum recommended thickness per layer: - by roller / brush: 1 mm - by spatula: 2 mm Maximum total application thickness 3 mm	
Waiting time before coating	≈ 2 days at +20°C, lower temperatures extend the waiting time	
Consumption	$\approx 1,2$ kg/m ² /mm	

Final Performances according to EN 1504-2:2004

	Performance	Requirement	Method
Permeability to water vapour ^{1, 3}	$S_D \approx 3$ m	$S_D < 5$ m (permeable)	EN 7783
Capillary absorption and permeability to water ^{1,2,3}	$\approx 0,02$ kg/m ² h ^{0,5}	$\leq 0,1$ kg/m ² h ^{0,5}	EN 1062-3
Tensile adhesion strength ^{1,2,3}	$\geq 2,5$ N/mm ²	$\geq 0,8$ N/mm ²	EN 1542
Crack bridging ability ²	$> 0,5$ mm	Class A3 (+23°C)	EN 1062-7

Final Performances according to EN 14891:2012

	Requirement	Method
Waterproofing (1,5 bar for 7 days)	No penetration	A.7
Initial tensile adhesion strength	≥ 0,5 MPa	A.6.2
Tensile adhesion strength after		
- water contact	≥ 0,5 MPa	A.6.3
- heat ageing	≥ 0,5 MPa	A.6.5
- freeze/thaw cycles	≥ 0,5 MPa	A.6.6
- contact with lime water	≥ 0,5 MPa	A.6.9
- contact with chlorinated water	≥ 0,5 MPa	A.6.7
Crack bridging ability		
- +23°C	≥ 0,75 MPa	A.8.2
- -5°C	≥ 0,75 MPa	A.8.3

values obtained with a total thickness of 2mm in 2 layers: ¹ with 35% water, ² with 30% water, ³ with 25% mixing water

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 SC ELASTIC EASY on them. In case the application is done on absorbent substrates such as concrete, cement mortars, etc. at high temperatures, good wetting of the substrate should be preceded, but avoiding the presence of stagnant water.

Existing floor coverings such as ceramic tiles, gres porcelain, marble, terrazzo, etc. must be firmly attached on the substrate. They also have to be clean and free of laitance or any residual which will compromise adhesion on them. If cleaning is required, use ALCALINE CLEANER or ACID CLEAN depending on the type of dirt and rinse well with water. For additional information refer to the Technical Data Sheets of the products.

Preparation of the mix

In a clean container, mix the content of 20kg paper bag containing SC ELASTIC EASY with the required amount of clean water, depending on the method of application. Stir by means of an electrical mixer in low rpm for 3 – 5 minutes until a perfectly smooth and homogeneous mix free of lumps is obtained. Under normal conditions the mix should be applied within 30 minutes. After this period do not try to mix it again with water.

Application

Application should be made in two or more layers crosswise with a total thickness of at least 2 mm. Apply the second coat when the first one has hardened enough. In any case the application should overlap the entire surface with a uniform thickness coat. In all critical areas, such as corners or, floor joint with walls and vertical construction elements, the sealing zone must be reinforced using a suitable fiberglass mesh, such as FIBERGLASS NET.

Recommendations

- Apply only upon structurally stable and well-prepared substrate
- Avoid application under direct sun exposure or/and strong wind
- Do not add cement, gypsum, lime or other materials that may affect the properties of the mortar
- Do not apply upon PVC and bitumen membranes and in general materials which polymerize in the long run
- 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 apply in swimming pools without covering with tiles or appropriate coatings
- Bonding tiles should be done with cement-based adhesives categorized as C2
- It does not create a water vapour barrier and is not suitable for resin systems not permeable to water vapour
- In order to incorporate FIBERGLASS NET, the thickness of the first layer must be 1mm
- Do not apply in total thickness less than 2 mm
- Do not wet subsequent layers during application
- Application must be done by professional applicator

Consumption

The consumption of SC ELASTIC EASY is 1,2 kg/m²/mm of thickness.

Cleaning

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

Storage

SC ELASTIC EASY 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

Multi-layer paper bags of 20kg.

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.

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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.



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