



SC 200 EASY FLEX

Two component cement based waterproofing mortar

- ▷ **Excellent workability**
 - ▷ **Very high elasticity**
 - ▷ **High adhesion to most common building materials**
 - ▷ **Suitable for sealing on terraces, bathrooms, swimming pools**
 - ▷ **Resistance to UV radiation with high resistance to aging**
-

Description

SC 200 EASY FLEX is a two-component cement-based mortar composed of selected aggregates, special additives and a liquid, containing synthetic polymers in water dispersion. It is easy to apply with brush, roller, spatula and spray with excellent adhesion to horizontal and vertical concrete surfaces, coatings as well as non-absorbent as existing ceramic tiles, marble etc. Its high durability, with its excellent mechanical properties, makes it an ideal sealing mortar for surfaces exposed to a severely corrosive environment.

Certifications

CE marking with Declaration of Performance (DoP) C08173-CPR-2030601 as surface protection product for concrete – coating for moisture control and increased resistivity according to EN 1504-2: MC-IR.

Typical Applications

SC 200 EASY FLEX is suitable for waterproofing and protecting in:

- Concrete surfaces and cement mortars such as terraces, terraces and surfaces exposed to weathering
- Ground masonry such as foundations, basements, varnishes, etc.
- Existing coatings, such as tiles and natural stones
- Swimming pools, balconies and bathrooms before tile application
- Masonry materials such as gypsum boards, cement boards, etc.
- Crack bridges up to 2 mm

Technical Data

Product Identification

	Component A	Component B
Consistency	Powder	Liquid
Color	White	White
Chemical base	Portland cement, quartz aggregates, special additives	Acrylic dispersion
Granulometry	$D_{\max}: 0,3 \text{ mm}$	
Apparent weight	$1,4 \pm 0,1 \text{ kg/L}$	
Density		$1,05 \pm 0,05 \text{ kg/L}$
Storage	12 months stored in a dry place in the original sealed packaging	

Application Data (+23°C % & 50% R.H.)

Mixing ratio	Part A : Part B $\approx 2 : 1$
Density of fresh mortar	$1,65 \pm 0,05 \text{ kg/L}$
Pot life	$\approx 60 - 90 \text{ minutes}$
Application temperature	from +8°C up to +35°C
Application thickness	Total thickness at least 2 mm, 1 mm per layer
Shore D	52 ± 2

Final Performances according to EN 1504-2:2004

	Performance	Method
Permeability to water vapour	$S_D \approx 3 \text{ m}$	EN ISO 7783-1 & 2
Capillary absorption and permeability to water	$\leq 0,01 \text{ Kg} / \text{m}^2 \text{ h}^{0,5}$	EN 1062-3
Adhesion strength by pull-off test	$\geq 1,2 \text{ N/mm}^2$	EN 1542
Freeze-thaw cycling with de-icing salt immersion	$\geq 0,9 \text{ N/mm}^2$	EN 13687-1
Thunder-shower cycling (thermal shock)	$\geq 0,9 \text{ N/mm}^2$	EN 13687-2
Resistance to fire	Class F	EN 13501-1

Application Procedure

Substrate Preparation

The application surface must be clean and solid, without cracks, free of dust, laitance, form release agents, oil, paint and rust. Carbonized and degraded concrete should be removed till we obtain a solid and healthy substrate. If required repairs by using RUST CONVERTER, NOVAFER and RC 340. Existing cracks on the substrate should be bonded by using the two-component epoxy adhesive EPO FLUID. In applications where we have constant water infiltration from exterior (negative pressure) seal all the leakages with the cement based fast setting waterproofing product SC FAST. Always saturate the substrate with water and remove any excess in order that the substrate will be saturated, but the surface will be free of standing water.

Existing floor coverings like in example ceramic tiles, Gres porcelain, marble, terrazzo etc. must be firmly attached to the substrate. They also must be clean and free of laitance or any substance which will compromise adhesion on them. If required, use for cleaning ALCALINE CLEANER or ACID CLEAN depending on the type of stain, 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 pours component B (liquid 10L) and then slowly add component A (powder 20 kg) while stirring. Stir by means of an electrical mixer in low rpm (500 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 60-90 minutes. Low temperatures extend the life of the mortar while high temperatures drastically reduce pot life and workability.

Application

Application should be made in two or more layers with a total thickness of at least 2 mm. Apply a first layer with a flat brush or roller on the properly prepared surface. Apply the second coat when the first one has hardened enough. For better thickness control, it is recommended to incorporate a suitable alkaline fiberglass mesh such as NOVAMIX FIBERGLASS NET on the first layer of the mortar while it is still fresh and smooth the surface with a metallic spatula. In any case the application should overlap the entire surface with a uniform thickness coat. In all critical areas, such as a floor joint with walls and vertical construction elements, the sealing zone must be reinforced using a suitable fiberglass mesh. After application, SC 200 EASY FLEX should be left to cure in a relatively humid environment. Protect the fresh mortar from rain, frost and fast drying by suitable means.

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 might 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 +8°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
- For incorporating fiberglass mesh the thickness of the first layer must be 1mm
- Do not exceed the maximum thickness per layer
- Do not apply in total thickness less than 2 mm
- Do not wet between the layers
- It is recommended that the application be made by a professional

Consumption

The consumption of SC 200 EASY FLEX is 1,7 kg/m² per mm of thickness. This consumption does not include additional consumption due to rough or porous substrate.

Cleaning

Due to the increased adhesion of SC 200 EASY FLEX, it is recommended to clean tools before the material starts to set. Once the material has dried, cleaning can be done only by mechanical means.

Storage

SC 200 EASY FLEX remains stable for 12 months from the production date stored in dry place and protected from humidity, frost and direct sunlight.

Packaging

Units consisted of 20kg component A and 10L component B.

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.



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