

SUPER FLEX POWDER



Flexible fiber-reinforced cementitious sealant for cracks from 1-15mm



PROPERTIES

Innovative, vinyl based sealant in powder form, fortified with glass spheres. It offers long-term protection and it is water repellent. It remains unaffected by frost or permanent moisture, even standing water, combining its excellent sealing and waterproofing action. Can be painted in 96 indelible shades with DUROCOLOR POWDER-C in a ratio of 3% by weight, or painted with emulsion and acrylic paints.

Classified PCC R2 as product for non-structural repair of concrete per EN 1504-3

ADVANTAGES

- Ready to use, simply by adding water.
- Practical packaging, easy to work with.
- It has excellent adhesion on concrete and plaster. • Flexible, thixotropic.
- It dries quickly, it can be drilled and screwed.
- Fills holes, cracks, joints.
- Its application does not leave a patch.

APPLICATIONS

DUROSTICK SUPER FLEX POWDER is suitable for a variety of applications for both professional and amateur use. Seals, without shrinking or peeling, any joint or crack in plaster (pic.1), concrete (pic.2), stone, joints in tiles, marble, glass bricks, roof tiles, decorative bricks, etc. Suitable for interior and exterior applications. Effective for the repair of small cracks, created between dissimilar materials such as plaster and concrete with stone or ceramics. It also repairs ceiling surfaces without sagging. Seal existing, and worn out decorative brick joints as well as natural stone joints (stone houses and walls) effectively. Make the application easier by using DUROSEAL 600, Professional Cartridge and 'Sausage' Barrel Gun, or DUROSTICK BLANK CARTRIDGE.

USE

1. Surface preparation

Surfaces must be clean, free from loose materials, dust and grease. Soak the surface before the application of the product.

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2. Application

In a clean container with cool water add SUPER FLEX POWDER, at a ratio of 250gr mortar to 75ml water, and mix with a putty knife. Use a low-rpm drill when mixing the entire 5kg bag with 1.6lt of cool water, until a lump free homogeneous thick paste is created that is suitable for use. Apply the product using a wetted flexible taping knife and press the product into the void, until it is filled. Smooth out any imperfections with a small putty knife or the application knife used prior to this stage. Before the surface thoroughly dries, smooth it out using a damp, plastering sponge float. It is painted after its hardening (about 24 hours).

CLEANING

Clean all tools with water, immediately after use.

CONSUMPTION

Indicatively 250gr fill 6 linear meters of a 5x5mm joint.

STORAGE

Store in factory sealed packages, in dry places, for at least 18 months from production date.

SAFETY DIRECTIONS

The product contains Portland cement. Before use, refer to the cautions on the product's package or the Material Safety Data Sheet.

NOTE

After hardening, the product is harmless to health and the environment.

PACKAGING

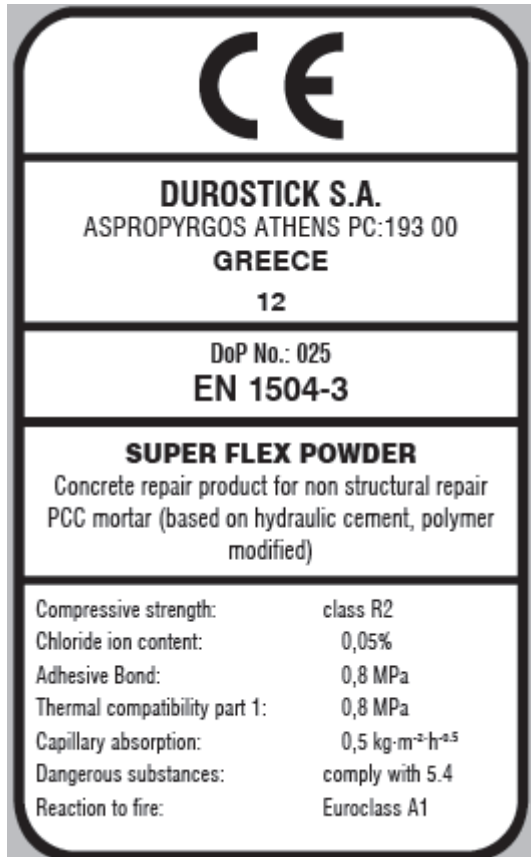
Carton box with 12 small bags of 250gr each one
Carton box with 4 bags of 5kg each one

| TECHNICAL SPECIFICATIONS (Measurement conditions: 20°C and 50% R.H.) | |
|--|--|
| Form - Color | Cementitious mortar - Off white |
| Toxic | No |
| Bulk density of dry mortar | 0.95±0.05kg/lt |
| Bulk density of fresh mortar | 1.50±0.05kg/lt |
| Maximum grain size | 0.50mm |
| Water requirement | 75ml water in 250gr mortar 1.60lt water in 5kg mortar |
| Application temperature | From +5°C to +35°C |
| Temperature resistance | From -35°C to +90°C |
| Pot life | 2 hours |
| Expansion & contraction capability | Approximately 10% at 5mm |
| Chroride ion content per EN 1015-17 | < 0.05% |
| PRODUCT PERFORMANCES | |
| Strength for 28 days, per EN 12190, in: | |
| • Flexion: | 5.00±1.00 N/mm ² |
| • Compression: | 16.00±1.00 N/mm ² |
| Adhesion to concrete, per EN 1542: | > 1.40 N/mm ² |
| Thermal compatibility expressed as adhesion to concrete per EN 13687 after: | |
| 50 freeze - thaw cycles 30 storm cycles 30 dry heat cycles | ≥ 1.20 N/mm ² |
| Capillary water absorption w per EN 13057: | w ≤ 0.50kg/m ² .h 0.5 |
| Reaction to fire, per EN 13501-1 | Euroclass F |
| Where 1N/mm ² =1MPa | |

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DUROSTICK S.A.

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The technical specifications and directions of use contained in this technical brochure are the results of the knowledge and experience of the company's research and development department, as well as from the real-life applications of the product. The recommendations and suggestions regarding the use of the products are made without guarantee since the respective conditions during their application are beyond the control of the company. For this reason, it is the user's responsibility to make sure that the product is suitable for the intended application as well as the application conditions of the project.