

SUPER FLEX POWDER



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



■ PROPERTIES

Innovative, vinyl based sealant in powder form, fortified with glass microspheres. 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. It can be colored in 96 permanent color with DUROCOLOR POWDER-C in a ratio of 3% by weight, or it can be painted with emulsion and acrylic paints.

Classified as repair mortar in PCC R2 category, 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's SUPER FLEX POWDER is suitable for a variety of applications for both professional and DIY use.

It seals, without shrinking or peeling, any joint or crack in plaster, concrete, stone, grout joints in tiles, marble, glass bricks, clay 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, retaining walls) effectively. Make the application easier by using DUROSEAL 600, Professional Cartridge and 'Sausage' Barrel Gun, or DUROSTICK's BLANK CARTRIDGE.

■ USE

1. Surface preparation

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

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 electric

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mixer 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 wet 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 (approximately 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 18 months from production date.

■ SAFETY DIRECTIONS

The product contains Portland cement. Before use, refer to the cautions on the product packaging or the Safety Data Sheet.

■ 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
■ Bulk density of dry mortar	0.95±0.05kg/lt
■ Bulk density of fresh mortar	1.50±0.05kg/lt
■ Maximum grain size	0.5mm
■ Water requirement	75ml water for 250gr mortar 1.6lt water for 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

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
■ Chloride ion content per EN 1015-17	≤ 0.05%
■ 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	Class F

1 N/mm²=1MPa

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The technical specifications and directions of use contained in this technical data sheet 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.