

DUROFLEX POWDER



Two Component Flexible Cementitious Sealant & Adhesive



PROPERTIES

Flexible sealant, adhesive and grout sealer of two components. After curing, it forms a flexible durable membrane with minimal shrinkage. Highly resistant to mechanical stresses and to alkaline environments.

It bonds powerfully to surfaces. It prevents moisture or water penetration in the joints between similar and/or dissimilar materials, such as plaster with concrete, metal, clay roof tiles and stone, wood etc.

DUROFLEX POWDER ensures long-lasting protection as it seals, bonds and waterproofs perfectly.

Classified as product for surface protection of concrete surfaces (c) per EN 1504-2.

ADVANTAGES

- Lightly soak the application surfaces first to create appropriate bonding conditions on every porous mineral surface without need for priming
- Easy to use, applied with a paintbrush or emulsion brush
- Does not favor bacteria and mold growth

- Great durability over time
- It does not crack
- Paintable when using elastomeric or acrylic paints

APPLICATIONS

DUROFLEX POWDER is suitable for flexible seals and waterproofing in a variety of applications:

- As a sealant, in the perimeter of outdoor horizontal and vertical surfaces, at their junction
- It seals the perimeter of buildings at ground level preventing rising damp forming from the bouncing rain when coating 15cm to 30cm from the ground/floor level up
- It waterproofs cement skirting on roofs, presenting cracks caused by micro-vibrations, sinking ground or unsuitable material used for the creation of the skirt
- Repair of cracks in tile jointing on floors
- Points of contact of pitched roofs with side walls, hips and lead lined valleys

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.

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- Bonding of detached ridges and waterproofing of the cracked mortar with the same material
- Sealing and flexible waterproofing of cracked roofing tiles, roofing ornaments and their bonding mortar
- Sealing holes created on a surface during installation of boilers, air conditioners, solar water-heaters and photovoltaic systems
- Sealing of areas of load bearing elements joining with walls made of brick or aircrete, thus preventing cracks and detachments
- Sealing joints between plaster and stone
- Sealing the edges of marble saddles with plaster
- It waterproofs skylight casements, roof windows and chimneys' bases
- Flexible seal for drywall and cement board installations, preventing the usually created cracks for such construction practices
- Flexible bonding of insulating boards and soundproofing materials on any surface wherever deemed necessary

USE

1. Surface preparation

The substrate must be free of dust and loose materials and should be soaked thoroughly. On (salvageable) deteriorated surfaces, first prime with the micromolar stabilizer, AQUAFIX of DUROSTICK.

2. Application

Empty the powder into the emulsion at a ratio: 1.75kg powder to 0.7lt emulsion. Mix with a low rpm electric drill until a lump free, homogeneous paste is formed. The mixture must be thick enough so it does not drip. Allow the mixture to mature for 5-10 minutes and mix periodically without the addition of water. The mixture remains workable for 2 hours and is applied with a brush in coats of 1 to 1.5mm each one. Apply the next coat within 2-3 hours, following the previous one, without soaking. During the summer months, on exterior surfaces, soaking is recommended after 3-4 hours, at least once. When temperature is below +5°C and above +35°C, or if there is a chance of rain for the next 12 hours, its application should be avoided.

NOTES

- Before mixing the two components, stir the resin very well in its container
- After curing, the product is harmless to health

CLEANING

Any residues should be removed immediately with a damp sponge. Clean all tools with water, immediately after use.

CONSUMPTION

1.0kg/m²/mm thick coat

STORAGE

Store sealed containers in dry and shaded places of low humidity, for at least 18 months from production date.

SAFETY DIRECTIONS

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

Component B: This product needs no hazard labeling under current European and National legislation. It is however recommended to keep away from the reach of children. If swallowed, seek medical advice immediately and show the container or label.

PACKAGING

Container set of 2.5kg each one

DUROFLEX POWDER



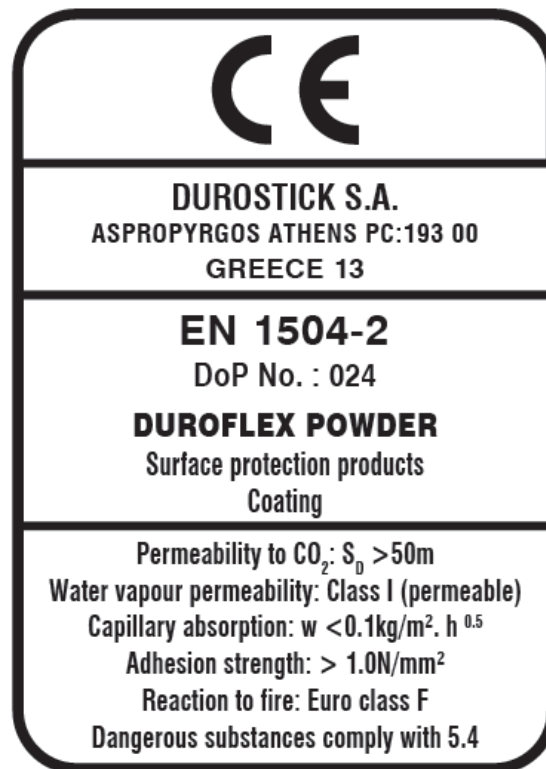
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TECHNICAL SPECIFICATIONS (Measurement conditions 20°C and 50% R.H.)

	Component A	Component B
Form	Cementitious mortar	Acrylic polymer-concentrated. Elastic membrane after application.
Color	Gray, Brick red	Off-white
Mixing ratio	1,75kg powder	0,7lt resin
Bulk density of dry mortar	1,40±0,05kg/lt	
Density	1,00±0,05kg/lt	
Application temperature	From +5°C to +35°C	
Temperature resistance	From -30°C to +90°C	
Mixing time	2-3 minutes	
Pot life	Approximately 2 hours	
Shrinkage	Negligible	
Water tightness	Excellent	

PRODUCT PERFORMANCES

Permeability S_D to CO_2, per EN 1062-6	$S_D > 50m$
Water vapour permeability S_D, per EN ISO 7783-2	$S_D \leq 2.9m$ [class I, (water vapour permeable)]
Capillary water absorption w, per EN 1062-3	$w \leq 0,015kg/m^2 \cdot h^{0.5}$
Adhesion to concrete, per EN 1542	$\geq 0,80 N/mm^2$ (Crack-bridging system)
Crack-bridging properties per EN 1062-7	Class A5 (> 2,5mm at -10°C)
Reaction to fire, after application, per EN 13501-1	Euroclass F



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