

DUROFLEX POWDER

Two component cementitious flexible sealant & adhesive



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	-
Mixing ratio	1.75 kg powder	0.70 lt resin
Bulk density of dry mortar	1.40 ± 0.05 kg/lt	-
Density		1.00kg ± 0.05 kg/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

MECHANICAL STRENGTHS

Permeability S_p to CO₂ per EN 1062-6	$S_p = 118 \text{ m}$
Water vapour permeability S_p per EN ISO 7783-2	$S_p = 0.8 \text{ m}$ [class I, (water vapour permeable)]
Capillary water absorption w per EN 1062-3 :	$w < 0.009 \text{ kg/m}^2 \cdot \text{h}^{0.5}$
Adhesion to concrete, per EN 1542:	$> 2.80 \text{ N/mm}^2$

STORAGE

Store in factory 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.

CONSUMPTION

1.0kg/m²/mm thick coat.

PACKAGING

Container set of 2.5kg each one

PROPERTIES

Two component flexible sealant, adhesive and waterproofing product. After curing, it forms a flexible durable membrane with minimal shrinkage.

It is highly resistant to mechanical stresses and to alkaline environments. It bonds to surfaces powerfully.

It prevents moisture or water penetration in the joints or the edges, between similar and/or dissimilar materials. 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.

It is ideal for preventing rising damp on exterior walls.

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

APPLICATIONS

DUROFLEX POWDER is suitable for flexible seals and waterproofing in a huge 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. It prevents rising damp (pic.5) formations from bouncing rain, when coating 15cm to 30cm from the ground/floor level up.
- It waterproofs curved cement coving on roofs, presenting cracks caused by small vibrations, sinking ground or unsuitable material used for the creation of the coving itself.
- Points of contact of clay roofs with side walls (pic.1,3), hips and espe-

cially lead lined valleys.

- 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 during installation of boilers, air conditioners, solar water-heaters and photovoltaic modules.
- 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 (pic.4).
- Sealing the edges of marble saddles with plaster.
- It waterproofs skylight casements, roof windows and chimney bases (pic.2).
- Flexible seal for drywall and cement board installations, preventing the usually created cracks for such construction practices.
- Flexible bonding of insulation slabs and soundproofing materials on any surface wherever deemed necessary.

ADVANTAGES

- Achieve proper bonding conditions just by soaking any porous mineral surface, without the use of any primer.
- Does not favour bacteria and mold growth.
- Easily applied using a brush.
- Paintable when using elastomeric or acrylic paints.
- Durable against time related ageing.
- It does not crack.



pic. 1

USE

1. Surface preparation

The substrate must be free of dust and loose materials. The substrate must be soaked thoroughly. On deteriorated but salvageable surfaces, prime thoroughly 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

the need for soaking.

During the summer months, on exterior surfaces, soaking is recommended after 3-4 hours, at least once.

At temperatures below +5°C and above +35°C, or if there is a chance of rain for the next 12 hours, the application have to be avoided and postponed.

immediately with a damp sponge. Clean all tools with water, immediately after use.

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

