

DUROSTICK EASYFIX



Fiber-reinforced, polymer modified repair mortar, for thicknesses of up to 7cm/coat



PROPERTIES

Fiber-reinforced repair cementitious mortar of controlled shrinkage. It presents strong adhesion to the substrate and develops early mechanical strength. Classified PCC R3 as concrete repair product, per EN 1504-3.

ADVANTAGES

- Combines repair and surface finish
- Excellent workability
- High thixotropy, does not sag in thicknesses of up to 7cm thick
- Fast repair, without cracks
- Does not contain chlorides that cause corrosion
- High mechanical strengths
- High resistance to frost.

APPLICATIONS

DUROSTICK EASYFIX is ideal for repairing and smoothing concrete elements on both horizontal and vertical surfaces. Suitable for filling concrete defects on floors, walls and roofs. Also suitable as covering mortar for roofs etc.

USE

1. Surface preparation

The substrate must be free from loose materials, dust, oils, and must be thoroughly soaked. Alternatively, prime the substrate using the micromolar stabilizer AQUAFIX of DUROSTICK before the application.

2. Application

Empty EASYFIX in a clean container with cool water, at a ratio of 25kg mortar to 5.0lt of water. Mix with a low-rpm drill or use a cement mixer, until a lump free, homogeneous mass is created that is suitable for every application. The mixture remains workable for two hours. Apply the mortar by either 'pressing' it with a gauging trowel when performing repairs or by using an injection machine, when surfaces require a coating material with high mechanical strength.

NOTES

- When the steel reinforcement (rebar) is corroded, remove all the rust with RUST REMOVER of DUROSTICK and apply DUROSTICK RUST

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FREE POWDER, the cementitious corrosion inhibitor for rebar protection

- Adding DUROSTICK D-20 in the mixing water at a ratio of 1:3 or DUROMAX at a ratio of 1:6, increases its flexibility and watertightness, but also changes its setting time
- Do not add any water if the mixture has started to cure
- Protect the final surface with wet burlap or occasional soaking for the next 24 hours (especially in the summer months)
- After its full cure, the product is harmless to health and the environment.

CLEANING

Clean all tools and equipment with water, immediately after use. The cured product can only be removed by mechanical means.

CONSUMPTION

Approximately 15kg/m²/cm thick coat.

STORAGE

Store in the factory sealed packages, in dry and shaded places, for at least 12 months from production date.

SAFETY DIRECTIONS

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

PACKAGING

Paper bag of 25kg on a 1,200kg pallet

TECHNICAL SPECIFICATIONS (Measurement conditions 20°C and 50% R.H.)	
Form - Color	Cementitious mortar - Gray
Toxic	No
Bulk density of dry mortar	1.40±0.05kg/lt
Bulk density of fresh mortar	1.80±0.05kg/lt
Maximum grain size	1.3mm
Water requirement	5.0lt water in 25kg mortar
Application temperature	From +5°C to +35°C
Temperature resistance	From -25°C to +80°C
Pot life	2 hours
Maximum application thickness per coat	7cm
Minimum application thickness per coat	3mm
Chlorides content, per EN 1015-17	≤ 0.01%
PRODUCT PERFORMANCES	
Flexural strength, per EN 12190 after:	
•28 days	≥ 5.00 N/mm ²
Compressive strength, per EN 12190 after:	
• 24 hours	≥ 9.00 N/mm ²
• 7 days	≥ 21.00 N/mm ²
• 28 days	≥ 38.00 N/mm ²
Adhesion to concrete, per EN 1542	≥ 1.70 N/mm ²
Modulus of elasticity, per EN 13412	≥ 15 GPa
Resistance to carbonation	Yes
Thermal compatibility expressed as adhesion to concrete, per EN 13687, after:	
•50 freeze-thaw cycles •30 storm cycles •30 dry heat cycles	≥ 1.60 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 A1
Where 1N/mm ² =1MPa	

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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DUROSTICK S.A. ASPROPYRGOS ATHENS PC:193 00 GREECE 18	
DoP No. :141 EN 1504-3:2005	
DUROSTICK EASYFIX Concrete repair product for structural repair PCC mortar (based on hydraulic cement, polymer modified)	
Compressive strength:	class R3
Chloride ion content:	0.05%
Adhesive Bond:	1.50 MPa
Thermal compatibility part 1:	1.50 MPa
Carbonation resistance:	Passes
Elastic modulus:	15 GPa
Capillary absorption:	0.5 kg·m ⁻² ·h ^{0.5}
Dangerous substances:	comply with 5.4
Reaction to fire:	Euroclass A1

DUROSTICK S.A.

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