

# DUROCRET-FAST

## Fast-setting, repairing cement mortar

### Description

DUROCRET-FAST is a fast setting, fiber reinforced cementitious repairing mortar, enriched with polymers, without corrosion ingredients, for internal and external applications, offering:

- Abrasion resistance.
- Very good adhesion to the substrate.
- Superior workability.
- Simplification of works.

It is classified as type PCC R2, repairing cement mortar for concrete, according to EN 1504-3.

DUROCRET-FAST has received an Environmental Product Declaration (EPD) following an assessment of its life-cycle environmental impacts. Registration No: S-P-09183, The International EPD® System.

### Fields of application

DUROCRET-FAST is suitable for repairs on concrete, cement mortars, masonry, plasters and generally wherever high strength and fast application is necessary. DUROCRET-FAST is applied up to 3 cm thickness for large scale applications and up to 5 cm for localized repairs.

### Technical data

Form:	cementitious powder
Color:	grey
Grain size:	up to 1.3 mm
Water demand:	4.50 l/25 kg bag
Pot life:	45 min at +20°C
Bulk density of dry mortar:	1.50 ± 0.10 kg/l
Bulk density of fresh mortar:	2.00 ± 0.10 kg/l
Compressive strength:	
• After 24 hours:	> 5.00 N/mm <sup>2</sup>
• After 7 days:	> 15.00 N/mm <sup>2</sup>
• After 28 days:	> 24.00 N/mm <sup>2</sup>
Flexural strength:	
• After 24 hours:	> 2.00 N/mm <sup>2</sup>
• After 7 days:	> 4.00 N/mm <sup>2</sup>
• After 28 days:	> 6.00 N/mm <sup>22</sup>

Adhesion strength:	≥1.5 MPa
Thermal compatibility Part 1 (50 freeze-thaw cycles):	≥ 1.4 MPa
Chloride ion content	0.00%
Capillary absorption	0.41 kg·m <sup>-2</sup> ·h <sup>-0.5</sup>
Reaction to fire	Euroclass A1

### Directions for use

#### 1. Substrate

The substrate must be clean, free of dust, oil, loose materials etc. and should be thoroughly dampened, before the application of DUROCRET-FAST.

#### 2. Application

DUROCRET-FAST is added into water under continuous stirring, until a mixture is formed. The material is applied using a trowel.

### Consumption

Approx. 17 kg/m<sup>2</sup>/cm of layer thickness.

### Packaging

DUROCRET-FAST is supplied in bags of 25 kg.

### Shelf-life - Storage

12 months from production date if stored in original, unopened packaging, in places protected from moisture and frost.

### Remarks

- Application temperature should be between +5°C and +30°C.
- In high temperature conditions DUROCRET-FAST should be dampened after application in order to be protected from water loss.
- DUROCRET-FAST contains cement and reacts as alkaline with water, so it is classified as irritant.
- Consult the usage risks and safety advice written on the bag.

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EN 1504-3

DOP No.: DUROCRET FAST / 1201-03

Concrete repair product for non structural repair  
PCC mortar (based on hydraulic cement, polymer  
modified)

Compressive strength: class R2

Chloride ion content:  $\leq 0.05\%$

Adhesion:  $\geq 0.8$  MPa

Thermal compatibility part 1:  $\geq 0.8$  MPa

Capillary absorption:  $\leq 0.5 \cdot \text{kg} \cdot \text{m}^{-2} \cdot \text{h}^{-0.5}$

Dangerous substances: comply with 5.4

Reaction to fire: Euroclass A1

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