

## 5.3.1 Plastering products & plaster reinforcement

# DUROSTICK EASYFIX

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



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

Form - Color	Fiber-reinforced cementitious mortar - Gray
Toxic	No
Bulk density of dry mortar	1.40 ± 0.05 kg/lt
Bulk density of fresh mortar	1.80 ± 0.05 kg/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	< 0.05%.

### PRODUCT PERFORMANCES

Flexural strength, per EN 12190, in:	
• 28 days	6.00 ± 1.00 N/mm <sup>2</sup>
Compressive strength, per EN 12190, in:	
• 24 hours	10.00 ± 2.00 N/mm <sup>2</sup>
• 7 days	23.00 ± 1.00 N/mm <sup>2</sup>
• 28 days	40.00 ± 1.00 N/mm <sup>2</sup>
Adhesion to concrete, per EN 1542	≥ 1.70 N/mm <sup>2</sup>
Modulus of elasticity, per EN 13412	≥ 15 GPa
Resistance to carbonation	Yes
Adhesion after 50 freeze-thaw cycles, per EN 13687-1	≥ 1.60 N/mm <sup>2</sup>
Capillary water absorption w, per EN 13057	w ≤ 0.50 kg/m <sup>2</sup> ·h <sup>0.5</sup>
Reaction to fire, per EN 13501-1	Euroclass A1

### CONSUMPTION

Approximately 15kg/m<sup>2</sup>/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 1.500kg pallet

### 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 exceptional 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 coving mortar for roofs etc.

### USE

#### 1. Surface preparation

The substrate must be free of dust and loose materials. Before the application, thoroughly soak the substrate or prime using the micromolar stabilizer, AQUAFIX of DUROSTICK.

#### 2. Application

Empty EASYFIX in a clean container with cool water, at a ratio of 25kg mor-

tar 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 strengths.

### NOTES

- When the steel reinforcement (rebar) is corroded, remove all the rust with RUST REMOVER of DUROSTICK and apply DUROSTICK RUST 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 bur-lap 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 equipments with water, immediately after use. The cured product can only be removed by mechanical means.

