

## Polymer-modified, extra fine-grained cement putty

### Description

PLANFIX-FINE is a polymer-modified, cement-based, extra fine-grained putty mortar, for indoor or outdoor application. With the addition of water, a paste of very good workability is formed, ideal for thin-layer applications (e.g. puttying). Because of its particle-size, it can also be applied with a guniting machine.

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

### Fields of application

It is used for:

- Smoothing and repairing exposed concrete.
- Sealing cracks, pores or cavities on concrete surfaces.
- Forming thin smoothing layers (stuccoing), instead of applying plaster or cement mortar.

### Technical data

Form: cementitious powder

Color: grey, white

Pot life: 4-7 h at +20°C

#### PLANFIX-FINE Grey

Water demand: 6.75 l/25 kg bag

Bulk density of dry mortar: 1.35 ± 0.10 kg/l

Bulk density of fresh mortar: 1.70 ± 0.10 kg/l

Compressive strength: > 18.00 N/mm<sup>2</sup>

Flexural strength: > 6.00 N/mm<sup>2</sup>

Chloride ion content: 0.00%

Adhesion: ≥ 1.4 N/mm<sup>2</sup>

Thermal compatibility Part 1 (50 freeze-thaw cycles):

≥ 1.3 N/mm<sup>2</sup>

Capillary absorption: 0.44 · kg · m<sup>-2</sup> · h<sup>-0.5</sup>

Reaction to fire: Euroclass A1

#### PLANFIX-FINE White

Water demand: 6.75 l/25 kg bag

Bulk density of dry mortar: 1.35 ± 0.10 kg/l

Bulk density of fresh mortar: 1.70 ± 0.10 kg/l

Compressive strength: > 18.00 N/mm<sup>2</sup>

Flexural strength: > 6.00 N/mm<sup>2</sup>

Chloride ion content: 0.00%

Adhesion: ≥ 1.4 N/mm<sup>2</sup>

Thermal compatibility Part 1 (50 freeze-thaw cycles):

≥ 1.3 N/mm<sup>2</sup>

Capillary absorption: 0.48 · kg · m<sup>-2</sup> · h<sup>-0.5</sup>

Reaction to fire: Euroclass A1

### Directions for use

#### 1. Substrate preparation

The substrate must be stable and free of dust, grease, loose materials etc. Before applying PLANFIX-FINE, the surface should be thoroughly dampened.

#### 2. Application

PLANFIX-FINE is gradually added into water, in a clean pot, under continuous stirring, until a uniform pasty putty is formed. Approx. 3 parts (by volume) of PLANFIX-FINE should be mixed with 1 part of water.

### Consumption

Approx. 1.3 kg/m<sup>2</sup>/mm of layer thickness.

# PLANFIX-FINE



## Packaging

PLANFIX-FINE grey is supplied in bags of 25 kg, whereas PLANFIX-FINE white is supplied in bags of 5 kg and 25 kg.

## Shelf-life - Storage

- Paper bags of 25 kg:  
12 months from production date.
- Plastic bags of 5 kg:  
18 months from production date.

The above information is valid, as long as the product is stored in original unopened packaging, in places protected from moisture and frost.

## Remarks

- Temperature during application should be at least +5°C.
- In hot weather PLANFIX-FINE should be moistened after application, to be protected from water loss.
- PLANFIX-FINE contains cement that reacts with water forming alkaline solutions, thus is classified as irritant.
- Consult the directions for safe use and precautions written on the package.



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EN 1504-3

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

DoP No.: PLANFIX FINE GREY/1215-03

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

The technical information and instructions supplied in this datasheet are based on the knowledge and experience of the Department of Research and Development of our company and on results from long-term applications of the product in practice. The recommendations and suggestions referring to the use of the product are provided without guarantee, since site conditions during the applications are beyond the control of our company. Therefore the user is responsible for confirming that the chosen product is suitable for the envisaged application. The present edition of this technical datasheet automatically cancels any previous one concerning the same product.



# PLANFIX-FINE

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**10**

EN 1504-3

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

DoP No.: PLANFIX FINE WHITE/1212-03

Compressive strength: class R2

Chloride ion content:  $\leq 0.05\%$ Adhesion:  $\geq 0.8$  MPaThermal compatibility part 1:  $\geq 0.8$  MPaCapillary absorption:  $\leq 0.5 \text{ kg} \cdot \text{m}^{-2} \cdot \text{h}^{-0.5}$ 

Dangerous substances: comply with 5.4

Reaction to fire: Euroclass A1

**ISOMAT S.A.**

BUILDING CHEMICALS AND MORTARS

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