

Polymer-modified cement putty

Description

PLANFIX is a polymer-modified, cement-based, fine-grained mortar, for indoor or outdoor application. With the addition of water a paste with very good workability is formed, suitable for puttying.

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

Fields of application

- Smoothing and repairing of exposed concrete.
- Sealing of cracks, pores or cavities on concrete surfaces.
- Total surface smoothing (stuccoing) with very thin layers instead of plastering or cement mortar application.

Technical data

Form:	cementitious powder
Colors:	grey, white
Pot life:	4-7 h at +20°C

PLANFIX Grey

Water demand:	6,00 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:	> 20,00 N/mm ²
Flexural strength:	> 6,00 N/mm ²
Chloride ion content	0,00%
Adhesion strength	≥ 1,70 N/mm ²
Thermal compatibility Part 1 (50 freeze-thaw cycles)	≥ 1,60 N/mm ²

Capillary absorption	0,39·kg·m ⁻² ·h ^{-0,5}
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Reaction to fire	Euroclass A1
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PLANFIX White

Water demand:	6,25 l/25 kg bag
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Bulk density of dry mortar:	1,35 ± 0,10 kg/l
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Bulk density of fresh mortar:	1,70 ± 0,10 kg/l
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Compressive strength:	> 20,00 N/mm ²
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Flexural strength:	> 6,00 N/mm ²
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Chloride ion content	0,00%
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Adhesion strength	≥ 1,70 N/mm ²
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Thermal compatibility Part 1 (50 freeze-thaw cycles)	≥ 1,60 N/mm ²
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Capillary absorption	0,25·kg·m ⁻² ·h ^{-0,5}
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Reaction to fire	Euroclass A1
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Directions for use

1. Substrate

The substrate must be stable and free of dust, grease, loose material etc. Before application of PLANFIX the surface should be thoroughly dampened.

2. Application

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

Consumption

Approx. 1,3 kg/m²/mm of layer thickness.

Packaging

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

Shelf-life - Storage

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

All of the above are in effect if 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 should be watered after application, to be protected from water loss.
- PLANFIX 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

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

Compressive strength: class R2

Chloride ion content: $\leq 0,05\%$

Adhesive Bond: $\geq 0,8$ MPa

Thermal compatibility part 1: $\geq 0,8$ MPa

Capillary 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

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BUILDING CHEMICALS AND MORTARS

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