

Technical Datasheet

PLANFIX

Fine-grained, polymer-modified, cementitious powder filler

Description

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

Certified according to EN 1504-3 and classified as a PCC R2 type mortar for concrete repairs. CE marked.

PLANFIX has received an Environmental Product Declaration (EPD) following an assessment of its life-cycle environmental impacts. Registration No: S-P-06173, The International EPD® System.

Fields of application

- Smoothing and repairing of exposed concrete.
- Filling of cracks, pores or cavities in concrete surfaces.
- Full-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/mm²

Flexural strength: > 6.00 N/mm²

Chloride ion content: 0.00%

Adhesion strength: ≥ 1.70 N/mm²

Thermal compatibility Part 1 (50 freeze-thaw cycles): ≥ 1.60 N/mm²

Capillary absorption: $0.39 \cdot \text{kg} \cdot \text{m}^{-2} \cdot \text{h}^{-0.5}$

Reaction to fire: Euroclass A1

PLANFIX White

Water demand: 6.25 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/mm²

Flexural strength: > 6.00 N/mm²

Chloride ion content: 0.00%

Adhesion strength: ≥ 1.70 N/mm²

Thermal compatibility Part 1 (50 freeze-thaw cycles): ≥ 1.60 N/mm²

Capillary absorption: $0.25 \cdot \text{kg} \cdot \text{m}^{-2} \cdot \text{h}^{-0.5}$

Reaction to fire: Euroclass A1

Directions for use

1. Substrate

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

2. Application

PLANFIX is slowly added to a clean container with water – 3 parts PLANFIX to 1 part water by volume – under continuous stirring until a uniform, pasty putty is formed.

Consumption

Approx. 1.3 kg/m²/mm of layer thickness.

Packaging

- PLANFIX grey: 5 kg and 25 kg bags
- PLANFIX white: 25 kg bags

PLANFIX

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 range between +5°C and +30°C.
- In hot weather, PLANFIX should be dampened after application to prevent water loss.
- PLANFIX contains cement and reacts as alkaline with water, so it is classified as irritant.
- Please consult the directions for safe use and precautions written on the packaging before use.



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EN 1504-3

DOP No.: PLANFIX GREY / 1213-03

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

Compressive strength: class R2

Chloride ion content: ≤ 0,05%

Adhesive Bond: ≥ 0,8 MPa

Thermal compatibility part 1: ≥ 0,8 MPa

Capillary absorption: ≤ 0,5·kg·m⁻²·h^{-0,5}

Dangerous substances: comply with 5.4

Reaction to fire: Euroclass A1



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EN 1504-3

DOP No.: PLANFIX WHITE / 1214-03

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

Compressive strength: class R2

Chloride ion content: ≤ 0,05%

Adhesive Bond: ≥ 0,8 MPa

Thermal compatibility part 1: ≥ 0,8 MPa

Capillary absorption: ≤ 0,5·kg·m⁻²·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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