

Technical Datasheet

PLANFIX-FINE

Extra fine-grained, polymer-modified, cementitious powder filler

Description

PLANFIX-FINE is a polymer-modified, cement-based, extra fine-grained powder filler, for indoor or outdoor applications. With the addition of water, a paste of very good workability is formed, ideal for thin-layer applications (e.g. stuccoing).

Because of its particle size, it can also be applied by spraying.

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

PLANFIX-FINE 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 exposed concrete.
- Filling cracks, pores or cavities in 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 ²
Flexural strength:	> 6.00 N/mm ²
Chloride ion content:	0.00%
Adhesion:	≥ 1.4 N/mm ²
Thermal compatibility Part 1 (50 freeze-thaw cycles):	≥ 1.3 N/mm ²

Capillary absorption: 0.44 · kg · m⁻² · h^{-0.5}

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 ²
Flexural strength:	> 6.00 N/mm ²
Chloride ion content:	0.00%
Adhesion:	≥ 1.4 N/mm ²
Thermal compatibility Part 1 (50 freeze-thaw cycles):	≥ 1.3 N/mm ²
Capillary absorption:	0.48 · kg · m ⁻² · h ^{-0.5}
Reaction to fire:	Euroclass A1

Directions for use

1. Substrate preparation

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

2. Application

PLANFIX-FINE is slowly added to a clean container with water – 3 parts PLANFIX-FINE 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-FINE grey: 25 kg bags
- PLANFIX-FINE white: 5 kg and 25 kg bags

PLANFIX-FINE

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 range between +5°C and +30°C.
- In hot weather, PLANFIX-FINE should be dampened after application to prevent water loss.
- PLANFIX-FINE contains cement that reacts with water forming alkaline solutions, thus 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-FINE GREY / 1215-03 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	

	
ISOMAT S.A. 17 th km Thessaloniki – Ag. Athanasios P.O. BOX 1043, 570 03 Ag Athanasios, Greece 10	
EN 1504-3 DOP No.: PLANFIX-FINE WHITE / 1212-03 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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