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: EPD-IES-0006173, 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 +20ºC
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$^{-0.5}$
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/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:	0.25·kg·m^{-2}·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/m^2/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 +5ºC and +30ºC.
- 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.

CE

ISOMAT S.A.
17th km Thessaloniki – Ag. Athanasios
P.O. BOX 1043, 570 03 Ag Athanasios, Greece

10

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

CE

ISOMAT S.A.
17th km Thessaloniki – Ag. Athanasios
P.O. BOX 1043, 570 03 Ag Athanasios, Greece

10

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

ISOMAT S.A.
BUILDING CHEMICALS, MORTARS & PAINTS
HEADQUARTERS – THESSALONIKI, GREECE
17th km Thessaloniki – Ag. Athanasios Road
P.O. BOX 1043, 570 03 Ag. Athanasios, Greece
T +30 2310 576000
www.isomat.eu e-mail: support@isomat.eu

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. | Edition: 29.04.2025