



Planirapid 100

High-performance self-levelling product, rapid drying, for 1 to 10 mm thickness for indoor application.



Fields of application:

- for self-levelling indoor screeds with 1 to 10 mm thickness, before the installation of ceramic or parquet;
- for self-levelling indoor concrete with 1 to 10 mm thickness, before the installation of ceramic or parquet;
- for self-levelling indoor heating screeds with 1 to 10 mm thickness, before the installation of ceramic or parquet;

Preparation:

the base must be sound, compact, well set, have no parts coming away, and be free of dust, grease, oil, paint, and wax. Gypsum or anhydrite bases must be perfectly dry, compact and dust-free. Before smoothing off with **Planirapid 100** self leveller, it is essential to treat the surfaces with **Primer GS**. Any splits or cracks must be sealed using **Epofix Flow**.

Application:

mix **Planirapid 100** self leveller with clean water, to obtain a smooth, lump-free paste. To ensure correct mixing, use a mechanical mixer at low speed and always pour the powder into the container with the right amount of water already in it. Do not add other aggregates or hydraulic binders to **Planirapid 100**. Leave the mixture to rest for 3 minutes, then mix it again. It is now ready for use. If the mixture is already hardening, do not attempt to restore workability by adding water. Mortar mixers can be used for mixing and pressure pumps for conveying the mixture to the area of use. Pour the mix onto the base and help it to spread with a smooth trowel. For application to large areas, we recommend you use a pumps for conveying the mixture to the area of use. Pour the mix onto the base and help it to spread with a smooth trowel. For application to large areas, we recommend you use a pump to facilitate even distribution; a light surface finish can be obtained using a screed bar to guarantee overall flatness. **Planirapid 100** must be protected from frost for at least 24 hours after application. The second coat must be applied as soon as the first is treadable (3-4 hours).

- for self-levelling existing indoor floors in ceramic, terrazzo tiles and natural stones with 1 to 10 mm thickness;
- for self-levelling screeds with 1 to 10 mm thickness, before the installation of rubber, parquet and resilient materials;
- professional use only.

Technical and application specifications

Hazard classification as per Directive 99/45/EC: irritant
Mixing water: 24-25% (weight) - i.e. approx 6 l per 25 kg bag
Specific weight of mixture: 1.90 g/cm³
Mixture pH: over 11
Setting time: 60-110 minutes
Application temperature: from +5°C to +35°C
Waiting time before application of covering materials: 12 hours for ceramics - 48 hours for wood
Pot life: approx. 20-30 minutes
Walk-over time: 3-4 hours
Low emission of volatile organic substances: EC2
FINAL PERFORMANCE SPECIFICATIONS
Compression resistance after 28 days: ≥ 30 N/mm²
Bending resistance after 28 days: ≥ 7 N/mm²
Acid resistance: poor
Resistance to damp, solvents, oil, alkalis, ageing: excellent
Temperature resistance: from -30°C to +90°C
Harmonised customs code: 38245090

Measurement of data at 23°C/50% Residual Humidity and no ventilation. The data may be considerably modified by the conditions of use.

Quality and Environmental Standards:

Planirapid 100 undergoes constant, careful testing at our laboratories, in compliance with the legislation in force - UNI EN ISO 9001/2015.

Warning:

- do not use on bases subject to rising damp or outdoors;
- do not apply thicknesses of less than 3 mm;
- on gypsum, anhydrite or extremely porous bases - where there is no rising damp - use Primer GS;
- before laying parquet, use a carbide moisture meter to check how much the screed levelled out with Planirapid 100 has set;
- do not add water or increase fluidity of the self-leveller. The mixture could separate and cause shrinkage due to moisture differences.

CE	Opera Srl Via degli Scavi 19/21 47122 Forlì - Italy
DOP-IT-01-052 PLANIRAPID 100 EN 13813:2002 - CT-C30-F7 Self-levelling cement-based smoothing for screeds (CT-C30-F7) in indoor floors.	
Fire reaction	Afl
Release of corrosive substances	CT
Water permeability	NPD
Vapor permeability	NPD
Resistance to compression	≥30 N/mm ²
Flexural strength	>7 N/mm ²
Durable over time	NPD
Sound insulation	NPD
Substrate absorption	NPD
Chemical Resistance	NPD
Thermal resistance	NPD
Release of harmful substances	See safety sheets

Characteristics	Application methods	Consumption
Rapid drying High workability High resistance Anti-shrinkage Can be pumped Granulometry: 0.5 mm	Concrete mixer Worm screw mixer Manual stirrer	1.6 kg/m ² every cm of thickness
		Storage Shelf life of 12 months in the original packages and in a dry place

Code	Product	Form and color	Packages	Pallet
421025	Planirapid 100	Grey powder	25 kg	1500 kg