



Planirapid 400

High-performance, rapid-drying, self-levelling compound for thicknesses from 1 to 40 mm, indoor/outdoor application. Millable for radiant floor system.



Fields of application:

- for self-levelling indoor/outdoor screeds, with thicknesses from 1 to 40 mm, before installing ceramic or parquet flooring;
- for self-levelling indoor/outdoor concrete with thicknesses from 1 to 40 mm, before installing ceramic or parquet flooring;
- for self-levelling indoor heating screeds with thicknesses from 1 to 40 mm, before installing ceramic or parquet flooring;

- for self-levelling existing indoor floors in ceramic, terrazzo tiles and natural stones, with thicknesses from 1 to 40 mm;
- for self-levelling screeds before installing rubber, parquet or resilient flooring, with thicknesses from 1 to 40 mm;
- professional use only.

Preparation:

the base must be flat, sound and compact, have no parts coming away, free of dust, grease, oil, paint and wax; gypsum and anhydrite substrates must be well-seasoned, bonded and dust free. Before smoothing with **Planirapid 400** it is compulsory to pre-treat these surfaces with **Primer Grip**. Any gaps and cracks must be sealed with **Eposan**.

Application:

mix **Planirapid 400** with clean water to obtain an homogeneous and lump free paste. For this, proceed with a low speed electric mixer and pour the powder in a bucket containing the exact amount of water. Do not add other aggregates or hydraulic binders to **Planirapid 400**. Leave the mixture to rest for 3 minutes and then mix again shortly before application and then it is ready for use. Mortar mixers and pressure pumps can be used for transport to the installation area. Do not apply the product if it is already hardening and do not attempt to restore its workability by adding water. Apply the mixture on the substrate by spreading it with a smooth trowel. On large surfaces, pump application is recommended, which facilitates even distribution; a slight surface finish is obtained with a leveling bar that will ensure an overall flatness. Help the release of air bubbles with a special bubble-breaking roller. **Planirapid 400** must be protected from frost for at least 24 hours after application.

Quality and Environmental Standards:

Planirapid 400 undergoes constant, careful testing at our laboratories, in compliance with the legislation in force UNI EN ISO 9001/2015.

CE	Opera Srl Via degli Scavi 19/21 47122 Forlì - Italy
<p>07 DOP-IT-01-078 PLANIRAPID 400 EN 13813:2002 - CT-C30-F7 Self-levelling cement-based smoothing compound for screeds (CT-C30-F7) in internal floors</p>	
Fire reaction	A2B-S1
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
<p>Rapid drying High Workability High resistance Anti shrinkage Pumpable Granulometry: 0,5 mm High and low thickness</p>	<p>Glass concrete mixes Screw mixer Hand mixer</p>	<p>1,6 kg / m² every mm of thickness</p>
		<p>Storage</p> <p>Shelf life of 12 months in the original packages and in a dry place</p>

Code	Product	Form and Color	Packaging	Pallet
422030	Planirapid 400	Grey Powder	25 kg	1500 kg

Warning

- indoor ventilation is always recommended;
- outdoors, avoid direct radiation for at least 5 hours after application;
- during the winter period, for the first 7 days after laying, the temperature of the applied product must not be lower than + 5 ° C, to ensure correct seasoning;
- the substrate must always be free of residues that could compromise the adhesion of PLANIRAPID 400;
- use the exact amount of water so as not to compromise the final result;
- before applying PLANIRAPID 400, expansion and construction joints must be provided on the substrate in accordance with the regulations in force.

Technical and application specifications

Hazard classification as per Directive 99/45/CE:	irritating
Mixing water:	22-23% by weight (approx.5.5 lt each 25 kg bag)
Specific weight of mixture:	1,90 g/cm³
pH of the mixture:	above 11
Setting time:	160 minutes
Application temperature:	from +5°C to +35°C
Waiting time before installation (residual moisture < 4%):	24 h
Waiting time before installing stable natural stones and marble (residual moisture < 3%):	Thickness < 6 mm 24 h; Thickness > 6 mm 48 h;
Waiting time before installing wood and resilient flooring (residual moisture < 2%):	Thickness < 6 mm 24 h; Thickness > 6 mm 72 h;
Handling time:	About 50 minutes
Walk-over time:	4-5 hours
Low emission level VOC:	EC2

FINAL PERFORMANCE

Compressive strength after 28 days:	35,0 N/mm²
Flexural strength after 28 days:	8 N/mm²
Resistance to acids:	poor
Resistance to damp, solvents, oil, alcali, ageing:	optimal
Resistance to temperature:	from -30°C to +90°C
Hs 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.