



# Planirapid 400

**High-performance, rapid-drying, self-levelling compound  
for thicknesses from 3 to 40 mm, indoor/outdoor application.  
Millable for radiant floor system.**



## Fields of application:

- for self-levelling indoor/outdoor screeds, with thicknesses from 3 to 40 mm, before installing ceramic or parquet flooring;
- for self-levelling indoor/outdoor concrete with thicknesses from 3 to 40 mm, before installing ceramic or parquet flooring;
- for self-levelling indoor heating screeds with thicknesses from 3 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 3 to 40 mm;
- for self-levelling screeds before installing rubber, parquet or resilient flooring, with thicknesses from 3 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 **Epofix flow**.

## 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.

## Warning

- do not use on substrates subject to rising damp;
- do not apply in thicknesses less than 1 mm;
- on gypsum-based, anhydrite or very porous substrates, apply Primer GS where there is no rising damp;
- before laying parquet, check the degree of drying of the substrate with a carbide hygrometer;
- do not add water to increase the flow of the self-leveling product;
- must always be anchored to the substrate and cannot be used as a desolated screed.
- indoors, ventilation of the rooms 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 curing;
- the laying surface must always be free from residues that could compromise the adhesion of PLANIRAPID 400;
- use the exact amount of water to avoid compromising the final result;
- expansion and construction joints must be provided on the base according to regulatory rules, before installing PLANIRAPID 400.

## Technical and application specifications

Hazard classification as per Directive 99/45/CE:	<b>irritating</b>
Mixing water:	<b>22-23% by weight (approx. 5.5 lt each 25 kg bag)</b>
Specific weight of mixture:	<b>1,90 g/cm<sup>3</sup></b>
pH of the mixture:	<b>above 11</b>
Setting time:	<b>120 minutes</b>
Application temperature:	<b>from +5°C to +35°C</b>
Waiting time before installation (residual moisture < 4%):	<b>24 h</b>
Waiting time before installing stable natural stones and marble (residual moisture < 3%):	<b>Thickness &lt; 6 mm 24h; Thickness &gt; 6 mm 48h;</b>
Waiting time before installing wood and resilient flooring (residual moisture < 2%):	<b>Thickness &lt; 6 mm 24h; Thickness &gt; 6 mm 72h;</b>
Handling time:	<b>About 50 minutes</b>
Walk-over time:	<b>4-5 hours</b>
<b>FINAL PERFORMANCE</b>	
Compressive strength after 28 days:	<b>35,0 N/mm<sup>2</sup></b>
Flexural strength after 28 days:	<b>7 N/mm<sup>2</sup></b>
Resistance to acids:	<b>poor</b>
Resistance to damp, solvents, oil, alkali, ageing:	<b>optimal</b>
Resistance to temperature:	<b>from -30°C to</b>
Hs code:	<b>38245090</b>

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

Characteristics	Application methods	Consumption
Rapid drying High Workability High resistance Anti shrinkage Pumpable Granulometry: 0,5 mm High and low thickness	Glass concrete mixes Screw mixer Hand mixer	1,6 kg / m <sup>2</sup> every mm of thickness
		<b>Storage</b>
		Shelf life of 12 months in the original packages and in a dry place

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