

PRB PLANIDUR PLUS

SELF-LEVELLING FLOORING COMPOUND FOR OUTDOOR USE



The **+**s of PRB PLANIDUR PLUS

- +** Excellent mechanical strength - can be left bare
- +** Machine or manual application
- +** Rapid setting and hardening
- +** Can be painted over

PACKAGING

– Paper bag containing 25 kg

STORAGE LIFE: 12 months.

CONSUMPTION/USE

– 1.5 kg/m²/mm of thickness.

COLOUR: Grey.



Suitable for P3 floors

AREA OF USE

USES

- Exterior floors: Balconies, terraces and loggias.
- Interior floors: Category P3 floors and below, including private garages.
- New and renovation work.

REFERENCE DOCUMENTS:

- Technical Specifications 3634 v2 & 3635 v2.
- French DTU Standards and regulations in force.

SUITABLE SUBSTRATES

NEW OR EXISTING:

- Concrete.
- Cement mortar screeds.

RENOVATION WORK (INTERIOR):

- Old adherent tiles (glued or grouted).

PROHIBITED SUBSTRATES

Do not apply to:

- Crumbling or loose surfaces.
- Gypsum-based levelling substances (plaster).
- Permanently damp floors or floors subject to rising capillary water.
- Industrial floors, mechanical workshops and floors rated higher than P3.

COMPATIBLE COATINGS & COVERINGS

- Glued tiles.
- Glued parquet.
- Flexible and rigid plastic coatings.
- Textile coverings.
- Waterproofing systems - under-tile waterproofing systems & liquid waterproofing membranes.
- Floor paints (new work).
- **PRB PLANIDUR PLUS** can be left bare (in private premises and garages).

NB: PRB PLANIDUR PLUS is suitable for use with most adhesives.

APPLICATION CONDITIONS

- Between 5°C and 35°C.
- Do not apply to frozen, thawing, hot, wet or damp surfaces.
- Do not apply in direct sunlight.
- Do not interfere with existing expansion and dividing joints.
- Respect the slopes and gradients specified in the DTU.

TECHNICAL CHARACTERISTICS

INGREDIENTS

Fine grey powder consisting of:

- grey hydraulic binders,
- fine mineral fillers,
- quartz sand,
- redispersible resin,
- setting agent,
- specific additives.

PRODUCTS

POWDER:

- Bulk density: 1.25 ± 0.1 t/m³.
- Grain size: <600 µm.
- pH (alkaline): 12.5 ± 0.5.

AVERAGE PERFORMANCE WHEN HARDENED:

- Adhesion: ≥ 1 MPa.
- Flexural strength: ≥ 4 MPa.
- Compressive strength: ≥ 18 MPa.
- Shore D Hardness: ≥ 80.
- Class - according to EN 13813: CT - C16 - F4.
- Reaction to fire: F_{fl}.

APPLICATION

- Resting time before use: 2 mins.
- Manipulation time (workable life): 20 mins.
- Self-levelling time: 15 mins.
- Setting time: 2 hrs ± 1 hr.
- Ready to walk on after (light circulation): approx. 3 hrs.
- Ready to walk on after (normal circulation): 24 hrs.
- Time between coats: 3 to 24 hrs. After this time, apply **PRB ACCROSOL PLUS**.
- Waiting time before sanding: 4 to 24 hrs.
- Waiting time before covering (depending on thickness and temperature):
 - tiles or textiles: 4 to 12 hrs,
 - plastic flooring: 12 to 48 hrs,
 - floor paint or dust-proof coating: 7 days minimum.

APPLICATION THICKNESS: 3 to 10 mm

- On resistant cement - mixed with 0/2 sand (2 volumes of **PRB PLANIDUR PLUS** for 1 volume of sand): 5 to 20 mm.
- Floor paints and glued parquet: 5 mm minimum.

NB: These values are estimates based on laboratory tests carried out in accordance with the applicable technical guidelines. The application conditions can significantly change these values.

UTILISATION

Please refer to the PRB Process Sheets

SUBSTRATE PREPARATION

- Surfaces must be structurally sound, clean and free of dust and moisture.
- Remove all traces of plaster, grease, laitance, etc.
- Large holes should be filled in 3 to 4 hours prior to levelling.
- Loosen around the edges.
- For all substrates, apply a primer: **PRB ACCROSOL AG** (indoors) or **PRB ACCROSOL PLUS** at a rate of 200 to 300 g/m² and leave to dry for 4 to 24 hrs.

NB: on exterior floors, use **PRB ACCROSOL PLUS**; dilute 1 volume of **PRB ACCROSOL PLUS** with 1 volume of water: 200 to 500 g/m².

- For use as a bonding slip: use **PRB PLANIDUR PLUS** with a special mixture of 1 litre of **PRB LATEX** resin + 5 litres of water per 25 kg bag. Apply the slip in a layer of approx. 1 mm using a broom, smoothing trowel/float or squeegee, then immediately apply **PRB PLANIDUR PLUS** (or within 20 minutes), fresh-on-fresh. When used on porous cement, the substrate should be slightly dampened 30 minutes before applying the bonding slip (taking care not to over-water and to limit surface bleeding).

PRODUCT PREPARATION

- Using an electric mixer (set to 500 t/min), mix 1 x 25 kg bag with 6 to 6.5 litres of clean water until you obtain a smooth mixture.
- Leave to stand for 2 minutes. Avoid overwatering the mixture.

APPLICATION

- Manual application: with a smoothing trowel, float or continuous mixing pump.
- Apply in a single coat:
 - moving in one direction, hold the trowel at a 45°/90° angle to fill in the pores and to expel air bubbles
 - and in the other direction, adjust to the desired thickness and smooth out while holding the smoothing trowel or float in a horizontal position.

- A spiked roller can be used to remove any remaining air bubbles.

PRECAUTIONS FOR USE

- Contains cement and/or lime.
- Please read the packaging safety label and safety data sheet before use.
- Floor paint: the minimum drying time is to be confirmed by the paint manufacturer and varies depending on the type of paint and the associated primer.