



# PRB PLANIFIBRE

HIGH-STRENGTH FIBRE-REINFORCED LEVELLING MORTAR, FOR NEW BUILDS AND RENOVATIONS



## The +s of PRB PLANIFIBRE

- + Up to 30mm in a single coat
- + Specially adapted for renovation work
- + Compatible with all underfloor heating systems
- + Smooth, clean finish (interior & exterior)
- + Can be applied with a pump



Suitable for  
P4S class  
floors



### PACKAGING

– Paper bag containing 25 kg.

**STORAGE LIFE:** 12 months.

### CONSUMPTION/USE

– 1.5 kg/m<sup>2</sup>/mm of thickness.

**COLOUR:** Grey.



## APPLICATIONS

### USES

- Interior floors: P2, P3, P4 and P4S class floors (on new or exposed cement floors).
- Exterior floors: outside the scope of QB certification.
- For private and communal premises and service/utility areas.
- New and renovation work.
- Technical specifications 3634 v2 & 3635 v2.
- French DTU Standards and regulations in force.

### SUITABLE SUBSTRATES

#### NEW:

- Concrete.
- Cement mortar screeds.

### INDOOR USE:

- Electric radiant floor heating.
- Dry plasterboard screeds.
- Lightweight concretes.
- Chipboard or Plywood panels with a minimum thickness of 22 mm and interlocking joints.

### INTERIOR RENOVATION:

- Existing tiles (glued or sealed in place).
- Old, adherent and resistant floor paints.
- Rigid PVC tiles.
- Sand and asphalt screeds.
- Glued parquet or strip parquet on joists (stable).

### MOISTURE BARRIER:

- PRB ACCROSOL TECHNIC primer.

### UNSUITABLE 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 flooring (please contact us beforehand).
- Exterior surfaces - not suitable for sloping surfaces exceeding 1.5%.

### COMPATIBLE SURFACING MATERIALS

- Tiles glued with a C2 or C2S type adhesive.
- Glued and floating parquet floors.
- Flexible and rigid plastic coatings.
- Textile coverings.

- Multifoil insulation.
  - Liquid waterproofing materials (under-tile waterproofing systems or liquid waterproofing membrane).
  - Floor paints.
  - PRB PLANIFIBRE can be left bare (in moderate traffic areas).
- NB:** PRB PLANIFIBRE is compatible with most C2/C2S adhesives.

### APPLICATION CONDITIONS

- Between 5°C and 35°C.
- Do not apply to frozen, thawing, hot, wet or damp surfaces.
- Avoid draughts when applying.
- Respect existing expansion and dividing joints.

## TECHNICAL CHARACTERISTICS

### INGREDIENTS

Fine grey powder consisting of:

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

### PRODUCTS

#### POWDER:

- Bulk density: 1.25 ± 0.1 t/m<sup>3</sup>.

- Grain size: <600 µm.
- pH (alkaline): 12.5 ± 0.5.

### AVERAGE PERFORMANCE WHEN HARDENED:

- Adhesion to wooden/tiled surfaces: ≥ 1 MPa.
- Adhesion to concrete: ≥ 1.5 MPa.
- Flexural strength: ≥ 5 MPa.
- Compressive strength: ≥ 30 MPa.
- Shore D Hardness: ≥ 80.
- Class - according to EN 13813: CT - C30 - F5.
- Reaction to fire: A2<sub>fl-s1</sub>.

### APPLICATION

- Resting time before use: 2 mins.
- Manipulation time (pot life of the mix): 15 mins.
- Self-levelling time: 15 mins.
- Setting time: 2 hrs ± 1 hr.
- Ready to walk on after: approx. 3 to 4 hours.
- Waiting time before sanding: 12 to 24 hrs.
- Waiting time before covering (depending on thickness and temperature):
  - tiles or textiles: 4 to 12 hrs,
  - plastic flooring: 24 to 48 hrs,

- glued parquet: 48 to 96 hrs.
- floor paint: 3 to 7 days.

### APPLICATION THICKNESSES:

- P2, P3, P4 & P4S floors: 3 to 30 mm.
- Renovation, outdoor flooring: 3 to 10 mm.
- On resistant cement - mixed with 0/2 sand (2 volumes of PRB PLANIFIBRE for 1 volume of sand): from 5 to 30 mm.

**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

### PREPARING THE SURFACES

- Surfaces must be dry, structurally sound, clean and free of dust.
- Remove all traces of plaster, varnish, wax, laitance, etc. by sanding or scraping.
- Wooden floors must be rigid (without bending) and stable, in accordance with the French DTU 51.3, and well ventilated on the underside. Reinforce/secure the wood where necessary.
- \* Remove waxes or varnishes with a floor sander, then remove any dust by brushing and vacuuming.
- \* On old parquet, 10 x 10 fibreglass mesh can be stapled on top of a dry primer (optional).
- For old tiles, paints and vinyl tiles: wash, sand, scrape, rinse and leave to dry.

- Large holes should be filled in 3 to 4 hours prior to levelling.
- Remove the edges.
- Apply the PRB ACCROSOL AG or PRB ACCROSOL PLUS fixative primer (200 to 300 g/m<sup>2</sup>) 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/m<sup>2</sup>.
- For use as a bonding slip: use PRB PLANIFIBRE 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 about 1 mm using a broom, smoothing trowel or squeegee, then immediately apply PRB PLANIFIBRE (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).

### PREPARING THE PRODUCT

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

### APPLICATION

- Manual application: with a smoothing trowel or 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 in a horizontal position.

- A spiked roller can be used to remove any remaining air bubbles.
- \* For machine application: please contact the manufacturer for advice (fibres).

### PRECAUTIONS FOR USE

- Contains cement and/or lime.
- Please read the packaging safety label and safety data sheet before use.
- Cannot be used for polished concrete.
- If left bare, the product may show shading or slight imperfections due to the method of application or the nature of the substrate. Depending on the location, after fine sanding and dusting, if laitance is present, the floor may be treated with a dust suppressant or finished with a varnish or floor paint - please refer to the manufacturer's instructions.
- 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.

Technical Data Sheet - 7 June 2022