

# PRB RAGRÉAGE PRO R&D

ECO-DESIGNED SELF-LEVELLING FLOORING COMPOUND



## The **+**s of PRB RAGRÉAGE PRO R&D

- +** Carbon footprint reduced by 55% \*
- +** Multi-purpose for private and collective use
- +** Suitable for all types of glued/bonded surface coatings
- +** Ready to use after 4 hrs
- +** Machine or manual application



### PACKAGING

- Paper bag containing 25 kg.

**STORAGE LIFE:** 12 months.

### CONSUMPTION/USE

1.6 kg/m<sup>2</sup>/mm.

**COLOUR:** Pink-grey.



For P3 class floors



Floor paint: the drying time indicated is to be confirmed or reduced by the paint manufacturer, variable depending on its nature and the associated primer.

\* Calculation in comparison with a product in the same category and with the same functional unit and the same reference life span (see the environmental and health declaration form on the INIES ebsite).

## APPLICATIONS

### USES

- Preparation of interior floors before coating.
- P3 class floors (private or collective).
- New builds and renovation work.

### REFERENCE DOCUMENTS

- Technical specifications, French DTU Standards and all other applicable regulations.

### SUITABLE SUBSTRATES

#### NEW OR EXISTING:

- Concretes.
- Cement mortar screeds.
- Dry plasterboard screeds (see TA).

- Lightweight concretes with a density of  $\geq 750$  kg/m<sup>3</sup>.

#### RENOVATION:

- (prepare surfaces using a primer)
- Existing tiles (glued or sealed in place).
- Old, adherent and resistant floor paints.

### UNSUITABLE SUBSTRATES

#### Do not apply to:

- Loose or unstable surfaces.
- Gypsum-based levelling substances (plaster).
- Outdoor surfaces.
- Permanently damp floors or floors subject to rising capillary water\*.
- Industrial floors, mechanical workshops

and floors classed higher than P3.

- \* First, treat the surface with 2 coats of **PRB ACCROSOL TECHNIC**, sandblast to finish.

### COMPATIBLE SURFACING MATERIALS

- Glued tiles.
- Glued or floating parquet flooring.
- Flexible or rigid plastic coatings.
- Textile coatings.
- Under-tile acoustic insulation systems.
- SPEC-type water protection systems.
- This product should not be left exposed.

### APPLICATION CONDITIONS

- Between 5°C and 35°C.
- Do not apply to frozen, thawing, hot, wet or damp surfaces.
- Avoid draughts when applying.
- Do not interfere with existing expansion and dividing joints.
- Respect the mixing ratio: too much water can lead to sedimentation, shrinkage, shading and excessive surface hardness.

## TECHNICAL CHARACTERISTICS

### INGREDIENTS

- Specialist fluid binders-Co binders
- Fine fillers
- Specific additives

### PRODUCT

#### POWDER:

- Grain size: <500  $\mu$ m

#### PASTE:

- pH (alkaline): approx. 12.5.

#### PERFORMANCE WHEN HARDENED:

- Class - according to EN 13813: CT-C16-F3

- Flexural strength:  $\geq 3$  MPa.
- Compressive strength:  $\geq 16$  MPa.
- Reaction to fire: F<sub>R</sub>

### APPLICATION

- Resting time before use: 2 mins (approx.)
- Manipulation time (pot life of the mix): 20 mins (approx.)
- Self-levelling time: 15 mins (approx.)
- Setting time: 3 hrs  $\pm$  1 hr.
- Waiting time:
  - before light traffic (pedestrian): approx. 4 hrs.
  - before normal traffic: 24 hrs.

- before sanding: 12 to 24 hrs.
- between 2 coats: 4 to 24 hrs.

Prepare the surface using **PRB ACCROSOL AG**, **PRB ACCROSOL PLUS** or **PRB ACCROSOL EXPRESS**.

- Waiting time before covering (depending on thickness and temperature):
  - tiles or textiles: 4 to 12 hrs.
  - plastic flooring: 12 to 48 hrs.
  - glued parquet flooring: 48 to 96 hrs.
  - floor paint: 7 days minimum.
- Application thickness:
  - P2 floors, soft flooring: 1 to 10 mm.

- P3 floors, renovation: 3 to 10 mm.
- tiling or parquet work: 3 to 10 mm.
- floor paints: 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.

## APPLICATION

Please refer to the PRB Process Sheets

### PREPARING THE SURFACES

- Surfaces must be structurally sound, clean and free of dust and moisture.
- Remove all traces of plaster, grease, laitance, etc. by sanding or scraping.
- For old tiles and paint: 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 **PRB ACCROSOL AG** or **PRB ACCROSOL PLUS** (200 to 300 g/m<sup>2</sup>) and allow to dry for 4 to 24 hrs before applying the flooring compound.
- For a faster drying time (at least 30 minutes depending on the surface
  - min. 12hrs for OSB), apply **PRB ACCROSOL EXPRESS** (150 to 300 g/m<sup>2</sup>).

### PREPARING THE PRODUCT

- Using an electric mixer (set to 500 t/min), mix 1 x 25 kg bag with 5 to 5.5 litres of clean water until you obtain a smooth mixture.
- Leave to stand for 1 or 2 minutes.
- Avoid overwatering the mixture.

### APPLICATION

- Manually with a smoothing trowel.
- Apply 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.
- The surface condition can be improved by rolling the surface with a squeegee within 10 minutes of applying the product.

### PRECAUTIONS FOR USE

- Contains cement and/or lime.
- Please read the packaging safety label and safety data sheet before use.

Technical Data Sheet - 29 August 2022

This technical data sheet is provided for the sole purpose of informing our customers about the characteristics of the product. Its content is based on up-to-date information. Before using the product, the user is advised to check whether this sheet has been replaced by a more recent version. The warranty conditions for our products, processes and systems are specified at the beginning of this catalogue. You can also find them, along with all regulatory and safety documents, online at [www.prb.fr](http://www.prb.fr).



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SPECIALIST  
MORTARS