

# PRB • COL SOUPLE

IMPROVED FLEXIBLE ADHESIVE MORTAR

FOR NORMAL AND FLUID CONSISTENCIES



## The +s of PRB•COL SOUPLE

- + Extended tack free time
- + Standard new-build and renovation work, including underfloor heating
- + Ceramic and natural stone tiles
- + For simple bonding or back buttering

Class C2S1 ET (normal)  
Class C2S1 EG (fluid)\*

\* Non-certified



## AREA OF USE

### USES

- New and renovation work.
- Interior & exterior walls and floors.
- For floors up to category U4, P3.
- French DTU standard 52.2 and Technical Specifications in force.
- Adhesive mortar certification.

### SUITABLE SUBSTRATES

- Concrete paving.
- Concrete floors in unheated areas and above crawl spaces.
- Liquid Sealer Systems (SEL) with sand.
- Cement mortar screeds.

### INDOOR USE (SEE PROCESS SHEETS):

- Liquid cement screed (2).
- Anhydrite screed \* with less than 0.5% moisture content.
- Liquid Sealer Systems (SEL) with sand.
- Floor coatings classified as P3 or higher.
- Dry screeds.
- Low temperature hydronic underfloor heating, reversible underfloor heating and cooling system & electric underfloor heating.
- Plasterboard (waterproof or not).

- Autoclaved aerated concrete.
- Terracotta tile walls.
- Old bonded tiles (1) (glued or sealed).
- Old, adherent and resistant paints\*.
- Rigid PVC tiles (1).
- Chipboard, Plywood & OSB panels\*.
- Bonded mosaic parquet flooring\*.

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

(1) The use of a PRB primer to improve the preparation process is optional. Please refer to the PRB Process Sheets.

(2) Primer is optional, subject to the surface being adherent and free from dust.

**Other uses:** see the selection guides.

### PROHIBITED SUBSTRATES

- Do not apply to:**
- Floors subject to rising damp (use ACCROSOL TECHNIC).
  - Unprotected or bare plaster.
  - Metal.

### PACKAGING

– Paper bag containing 25kg

**STORAGE LIFE:** 18 months.

### CONSUMPTION/USE

For localised levelling: 1.5kg/m<sup>2</sup>/mm of thickness.

The type of trowel and bonding method should be chosen according to the size of the tiles and their intended use.

As a guide, according to the DTU, in kg/m<sup>2</sup>:

Serrated trowel	Without back buttering	With back buttering
U6	3.5	5 to 6
U9	4.5	6 to 7
DL 20	5 to 8	6 to 8

Tile sizes from 3,600 to 15,000 cm<sup>2</sup>: 7 to 8



Normal consistency

Fluid consistency, without back buttering on floors:

Trowel	Sizes in cm <sup>2</sup>	Without back buttering	With back buttering
U9	120 to 1,200	4 to 5	5 to 6
DL 20	1,200 to 2,200	5 to 6	6 to 7
DL 20	2,200 to 3,600	6 to 8	6 to 8
DL 20	3,600 to 15,000	—	7 to 8

Fluid consistency

See consumption details at the end of the "TILING" catalogue.

**COLOUR:** White & grey.

## COMPATIBLE COVERINGS

### TYPE:

PRB•COL SOUPLE is suitable for laying the following types of tiles, regardless of their porosity:

- Glazed or extruded stoneware (enamelled or non-enamelled).
- Fully glazed stoneware.
- Terracotta, glass paste, earthenware.
- Natural stone (limestone, marble or granite)\*.

\* Use PRB•COL SOUPLE WHITE.

Stain test in accordance with DTU/Technical specifications.

**NB:** The weight of wall coverings must not exceed 40 kg/m<sup>2</sup>.

### SIZE:

PRB•COL SOUPLE is suitable for laying large tiles:

- Interior walls: up to 3,600 cm<sup>2</sup> and up to 36,000 cm<sup>2</sup> on double plasterboard.
- Exterior walls: up to 3,600 cm<sup>2</sup>

- Interior floors: up to 3,600 cm<sup>2</sup> and up to 15,000 cm<sup>2</sup> for new installations (UPEC-certified tiles).
- Exterior floors: up to 3,600 cm<sup>2</sup>.

**NB:** for floors, the applicable standards and regulations regarding the slip resistance of the tiles must be respected. Size limitations depend on substrate: please refer to the selection guides.

## APPLICATION CONDITIONS

- Between 5°C and 35°C.
- Do not apply to frozen, thawing, hot, wet or damp surfaces. Do not apply to surfaces when exposed to direct sunlight.
- For outdoor terraces and patios, we recommend moistening the slab or screed before gluing.
- Respect existing expansion and dividing joints.
- Allow for an edging joint between the tiles and the vertical walls.

## TECHNICAL CHARACTERISTICS

### INGREDIENTS

- Fluid binders.
- Silica fillers, water retention agents & setting agents.
- Specific additives.
- Incorporated resin plasticiser with high wetting and adhesion power.

### PRODUCT

#### POWDER

- Grain size: <400 µm
- pH (alkaline): 12.5 ± 0.5

### AVERAGE PERFORMANCE WHEN HARDENED

- Class - according to EN 12004-1:
  - C2S1E when mixed to a normal consistency.
  - C2S1EG when mixed to a fluid consistency.
- Adhesion (dry, water, heat & freeze-thaw): ≥1 MPa.
- Temperature resistance: -30°C + 70°C.

### APPLICATION

- Mixing ratio for normal consistency:
  - Grey: 26 to 28 %.
  - White: 25 to 27%.
- Mixing ratio for fluid consistency:
  - Grey: 30 to 32%.
  - White: 29 to 31%.
- Resting time before use: Approx. 5 mins.
- Tack free time: 30 ± 10 mins.
- Adjustability time: 20 mins.
- Manipulation time: 2 hrs.
- Waiting time before grouting: 8 to 24 hrs.

- Ready to walk on after: 24 to 48 hrs.
- In cold weather, when mixed to a fluid consistency, it can take up to 72 hours to dry before grouting.

**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

- Substrate surfaces must be resistant, clean and dry. In the case of residual laitance, sand and remove dust by brushing and vacuuming. Surfaces must also be flat and even. For uneven surfaces, patch locally with PRB•COL SOUPLE (at a thickness of at least 10 mm) the day before laying. Allow to dry for 24 to 48 hrs before laying.
  - Depending on the substrate (see above), a primer may be required. In this case, apply PRB ACCROSOL AG or PRB ACCROSOL PLUS at a rate of 150 to 300 g/m<sup>2</sup> and leave to dry for 2 to 4 hrs before applying the adhesive mortar.

For a faster drying time (at least 30 minutes depending on the substrate), apply PRB ACCROSOL EXPRESS at a rate of 150 to 300 g/m<sup>2</sup>.

### PRODUCT PREPARATION

- Mix 1 x 25 kg bag of PRB•COL SOUPLE with clean water until you reach the desired consistency:
  - for a normal consistency:
    - Grey: 6.5 to 7 L
    - White: 6.25 to 6.75 L
  - for a fluid consistency:
    - Grey: 7.5 to 8 L
    - White: 7.25 to 7.75 L
- Mix with an electric mixer at low speed until you obtain a smooth, lump-free paste.

### APPLICATION

- Spread PRB•COL SOUPLE over the substrate and adjust the thickness with a notched trowel (to be chosen according to the size of the tile and the evenness of the substrate).
- Lay the tiles on the fresh mortar and press or tap firmly to ensure that the mortar is evenly distributed on the back of the tiles and to expel any air bubbles.
- When back buttering, apply a thin layer of 1 to 2 mm (mixed to a normal consistency) to the back of the tile. You should always back butter tiles with low porosity
- Fluid: regularly check the transfer during installation.

**NB:** Tiles should be cleaned with a sponge as soon as they are laid. Tools and stains should be cleaned immediately with water.

### GROUTING - FINISHING

- The tiles can be grouted the following day.
- For grouting, use a product from the PRB•JOINT range - these products are ready to use and suitable for a variety of applications (please refer to the technical data sheets).

### PRECAUTIONS FOR USE

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