

PRB•COL PRO

IMPROVED MULTI-PURPOSE ADHESIVE MORTAR



The +s of PRB•COL PRO

- + Improved mixed binder-based adhesive
- + Extended tack free time
- + Suitable for renovation work and swimming pools
- + Grey and white



Class C2 ET

PACKAGING

– Paper bag containing 25 kg

STORAGE LIFE: 18 months.

CONSUMPTION/USE

For localised levelling: 1.5 kg/m²/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/m²:

Serrated trowel	Without back buttering	With back buttering
U6	3,5	5 to 6
U9	4,5	6 to 7
DL 20	/	6 to 8

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

COLOUR: White & grey.



AREA OF USE

USES

- Interior and exterior floors
- Interior walls
- New builds, renovations and swimming pools.
- French DTU standard 52.2 and Technical Specifications in force.
- Adhesive mortar certification.

SUITABLE SUBSTRATES

- Concrete.
- Cement mortar screeds.
- INDOOR USE (SEE PROCESS SHEETS):**
- Liquid cement screeds (2).
- Floor coatings classified as P3 or higher.
- Single coat cement mortar render (CS category III and IV).
- Plasterboard (water-resistant or standard).
- Terracotta tile walls.
- Autoclaved aerated concrete.
- Old bonded tiles (1) (glued or grouted).

- Old adherent and resistant paint(3).
- Rigid PVC tiles (1).
- Wooden panels (chipboard or plywood) (3).
- Waterproofing systems (SPEC - under-tile waterproofing systems).

(1) The use of primer to improve preparation is optional.

(2) The use of a primer is optional provided the surface is adherent and free of dust.

(3) After preparation and in combination with a primer: **PRB ACCROSOL AG** or **PRB ACCROSOL PLUS**.

Other uses: see the selection guides.

NB: outside the scope of French certification (in Belgium, etc.), compatible with underfloor heating

PROHIBITED SUBSTRATES

Do not apply to:

- Metal.
- Bare plaster or gypsum blocks.

COMPATIBLE COVERINGS

TYPES:

PRB•COL PRO is suitable for the following coverings and coatings:

- Glazed stoneware (enamelled or not).
- Porcelain stoneware (porosity <0.5%).
- Natural stone* (marble, granite, etc.).
- Terracotta.
- Facing bricks.
- * Use **PRB•COL PRO - White**. Stain test in accordance with DTU/Technical specifications.

NB: The weight of the coverings/coatings must not exceed 40 kg/m² for walls.

SIZES:

PRB•COL PRO is suitable for laying large tiles and coverings:

- Interior walls: up to 2,200 cm²
- Interior floors: up to 3,600 cm²
- Exterior floors: up to 3,600 cm² (stoneware: 2,200 cm²)

NB: For floors, the applicable standards and regulations regarding the slip resistance of the tiles must be respected. See the selection guide for size limitations according to the type of substrate.

APPLICATION CONDITIONS

- Between 5°C and 35°C.
- Do not apply to frozen, freezing, thawing, hot or wet substrates, or in full sunlight, heavy rain or high winds.
- For outdoor terraces and patios, we recommend moistening the slab or screed before gluing/bonding.
- Do not interfere with existing expansion and dividing joints.
- Allow for an edging joint between the last row of tiles and the vertical walls.

TECHNICAL CHARACTERISTICS

INGREDIENTS

- Grey or white hydraulic binders.
- Silica fillers, water retention agents & setting agents.
- Incorporated resin plasticiser with high wetting and adhesion properties.

PRODUCT

POWDER:

- Density: 1.3 ± 0.1 t/m³
- Grain size: <600 µm
- pH: 12.5 ± 0.5

AVERAGE PERFORMANCE WHEN HARDENED:

- Class - according to EN 12004-1: C2 E
- Adhesion (dry, water, heat & freeze-thaw): ≥1.00 MPa
- Temperature resistance: - 30° + 70° C

APPLICATION

- Mixing ratio (amount of water needed): 23 to 26%
- Tack free time: 30 mins
- Adjustability time: 20 mins
- Manipulation time (workable life): 1 hour 30 mins
- Waiting time before grouting: 8 to 24 hrs
- Ready to walk on after: 24 to 48 hrs
- Resting time before use: Approx. 5 mins.

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 moisture.
- Remove all traces of plaster, grease, laitance, etc.
- Depending on the type of surface, a primer may be required (see above). In this case, apply **PRB ACCROSOL AG** or **PRB ACCROSOL PLUS** at a rate of 150 to 300 g/m² and allow to dry for 2 to 4 hours before applying the adhesive mortar.

- **PRB•COL PRO** can be used for localised levelling or filling for thicknesses of 2 to 10mm.
- Wait 24 to 48 hrs before laying.

PRODUCT PREPARATION

- Using an electric mixer set to a low speed, mix **PRB•COL PRO** with 5.75 to 6.5 litres of clean water per 25 kg bag until you obtain a smooth, lump-free paste of the desired consistency.

APPLICATION

- Spread **PRB•COL PRO** over the substrate using a trowel or float then adjust the thickness with a notched trowel (to be

- chosen according to the size of the covering and the flatness of the substrate).
- If back buttering, apply a thin layer (1 to 2mm) to the back of the tile.
- Always use the back buttering technique when laying tiles with low porosity.
- 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.

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

- Wait until the next day before grouting.
- For grouting, we recommend using products from the **PRB•JOINT** range. These products are ready to use and are specially adapted to the various types of use (see technical data sheets).

PRECAUTIONS FOR USE

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