

PRB•COL FLEX

IMPROVED HIGH-PERFORMANCE ADHESIVE MORTAR


The +s of PRB•COL FLEX

- + Longer open time, slip resistance
- + Two mix ratios
- + Direct bonding to old tiles
- + Suitable for pools and ponds
- + Small and large porcelain stoneware

SANS POUSSIÈRE*
Emissions de poussière réduite

Class C2 ET (normal)
Class C2 EG (fluid)

IB
QUALITÉ POUR LE BÂTIMENT
No. 49 MC 45



PACKAGING

– Paper bags containing 5 or 25kg

STORAGE: 18 months.

CONSUMPTION/USE

Localised levelling: 1.5kg/m²/mm of thickness.
The choice of comb and bonding method should be made according to the size and destination.
As a guide, according to the DTU/CPT, in kg/m²:

Comb	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

Consistency: normal

Comb	Sizes in cm ²	Without back buttering
U9	120 to 1,200	4 to 5
DL 20	1,200 to 2,200	5 to 6
DL 20	2,200 to 3,600	6 to 8

Consistency: fluid

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

COLOURS: Grey and White.

APPLICATIONS

USES

- Interior and exterior floors
- Interior walls
- Communal premises
- Public or private pools and ponds
- New and renovation work.
- Premises up to U4, P3.
- DTU 52.2 and CPTs in force.
- Certification of adhesive mortars.

SUITABLE SUBSTRATES

- Concrete.
 - Cement mortar screed.
 - Liquid Sealer Systems (SEL) with sand.
- INDOOR USE (SEE PROCESS SHEETS):**
- Floor coverings classed as at least P3.
 - Single-coat cement mortar render (classes CS III and CS IV).
 - Plasterboard (waterproof or not).
 - Cellular concrete.
 - Terracotta tile walls.
 - Liquid cement screed (2).

- Anhydrite screed (3) with less than 0.5% moisture content.
 - Old bonded tiles (1) (glued or sealed).
 - Old adherent and resistant paint (3).
 - Rigid PVC tiles (1).
 - Asphalt screed (3)
 - Wood panels (CTBH, CTBX) (3).
 - Waterproofing systems (SPEC).
- (1) The use of primer to improve preparation is optional.
(2) Primer is optional, subject to the surface being cohesive and free from dust.
(3) After preparation and in combination with **ACCROSOL AG** or **ACCROSOL PLUS**.
- Other uses:** see the selection guides.

UNSUITABLE SUBSTRATES

- Do not apply to:**
- Metal.
 - Plaster or gypsum blocks without protection.

COMPATIBLE COVERINGS

TYPE:

PRB•COL FLEX is recommended for installing the following coverings:

- Glazed stoneware (enamelled or not).
 - Porcelain stoneware.
 - Natural stone* with low porosity (marble, granite, etc.).
 - Terracotta.
- * Use **PRB•COL FLEX White**. Stain test according to DTU/CPT.

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

SIZE:

- PRB•COL FLEX** is suitable for bonding large coverings:
- Interior walls: up to 2,200cm²
 - Interior floors: up to 3,600cm²
 - Exterior floors: up to 3,600cm² (Stoneware 2,200cm²)

NB: For floors, the standards or regulations in force concerning the slip resistance of the tiles must be respected. Limitation of the size according to the substrate: see the selection guides.

APPLICATION CONDITIONS

- Between 5°C and 35°C.
- Do not apply to frozen, freezing, thawing, very hot or wet substrates, or in full sunlight, heavy rain or high winds.
- For outdoor terraces, it is advisable to wet the slab or screed before bonding.
- Respect existing movement joints.
- Leave a peripheral joint between the last row of tiles and the vertical walls.

TECHNICAL CHARACTERISTICS

COMPOSITION

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

PRODUCT

POWDER

- Density: 1.3 ± 0.1 t/m³

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

PERFORMANCE ONCE CURED

- Class according to EN 12004-1: C2 ET with normal consistency C2 EG with a fluid consistency
- Adherence (dry, water, heat, freezing-thawing): ≥ 1.00 MPa
- Temperature resistance: - 20°C + 70°C

UTILISATION

- Mixing ratio for normal consistency: 25 to 28%
- Mixing ratio for a fluid consistency: 30 to 33%
- Rest time: approx. 5min.
- Open time: 30± 10min
- Adjustability time: 20± 10min
- Application duration: 3hrs

- Time before grouting: 8 to 36hrs (varies depending on the porosity of the tiles/substrate, the mixing ratio and the temperature)
- Time before use: 24 to 48hrs

NB: These values are estimates derived from laboratory testing according to the technical guides. The implementation conditions may significantly change them.

UTILISATION

See PRB Process Sheets

PREPARING THE SUBSTRATE

- Substrate surfaces must be resistant, clean and dry.
- Traces of plaster, grease, surface laitance etc. must be removed.
- Depending on the substrate (see above), a primer may be necessary. In this case, apply **PRB ACCROSOL AG** or **PRB ACCROSOL PLUS** at a rate of 150 to 300g/m² and leave to dry for 2 to 4hrs before spreading the adhesive mortar.
- **PRB•COL FLEX** can be used for levelling or filling for thicknesses of 2 to 10mm. Wait 24 to 48hrs before installation.

PREPARING THE PRODUCT

- Mix 1 bag of 25kg of **PRB•COL FLEX** to the desired consistency with clean water:
 - 6.25 to 7L for normal consistency,
 - 7.5 to 8.25L for a fluid consistency.
 Mix with an electric mixer at a slow speed until an even paste is obtained with no lumps.

APPLICATION

- Spread the **PRB•COL FLEX** 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.
- Back buttering is essential for tiles with low porosity.

- Place the covering onto the fresh ribs and press firmly or tap to ensure good transfer and expel any air.

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

- Grouting can be carried out from the following day (see conditions).
- When grouting, use the ready-to-use **PRB•JOINT** product suited to each use (see technical data sheets).

USER PRECAUTIONS

- Contains cement and/or lime.
- Refer to the regulatory packaging label and safety data sheet before use.