

PRB•COL FLEX

IMPROVED HIGH PERFORMANCE ADHESIVE MORTAR



The PRB•COL FLEX +

- + Extended open time and slip resistant
- + Double mixing
- + Direct use on old tiling
- + Use in swimming pools and ponds
- + Small and large format porcelain stoneware

DUST FREE*
reduced dust emissions

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

* outside the scope of the certificate

IB
QUALITE POUR LE BATIMENT
N° 49 MC 45



AREA OF USE

USE

- Interior & exterior floors
- Interior walls
- Public premises
- Private or public swimming pools and ponds
- New build and refurbishment.
- Premises up to U4, P3.
- DTU 52.2 and applicable CPTs.
- Adhesive mortar certification.

AUTHORISED SUBSTRATES

- Concrete.
- Cement mortar screeds.
- Sanded Liquid Sealing System (SEL).
- FOR INTERIOR USE (SEE PROCESS SHEETS):**
- Minimum P3 class floor compounds.
- Single layer cement mortar renders (class CS III and CS IV).
- Plasterboards whether water repellent or not.
- Cellular concrete.
- Terracotta tile partitions.
- Liquid cement screed(2).

- Anhydrite screed(3) with less than 0.5% moisture.
- Old adhesive tiles(1) (bonded or embedded).
- Old adherent(3) and resistant paints.
- Rigid PVC tiles(1).
- Asphalt screeds(3).
- Timber panels (CTBH, CTBX)(3).
- Water protection system (SPEC).
- (1) The use of a primer to improve the preparation is optional.
- (2) Primer optional, on condition that the surface condition is cohesive and dust-free.
- (3) After preparation and combined with **ACCROSOL AG** or **ACCROSOL PLUS**.
- Other uses:** please consult the selection guides.

PROHIBITED SUBSTRATES

- Do not apply on:**
- Metal.
 - Directly to plaster blocks and plasterboard.

PACKAGING

- 25 Kg paper bag
- 1.225 t-pallet, i.e. 49 25 kg-bags

STORAGE: 18 months.

CONSUMPTION

As localised smoothing compound: 1.5 kg/m²/ mm thickness.
Choice of application tools and method depending on the format and purpose.
As an indication as per DTU/CPT, in kg/m²:

Serrated edge	Single application	Double application
U6	3.5	5 or 6
U9	4.5	6 or 7
DL 20	5 to 8	6 to 8

Normal consistency

Comb	Sizes in cm ²	Single coat application
U9	120 to 1200	4 to 5
DL 20	1200 to 2200	5 to 6
DL 20	2200 to 3600	6 to 8

Fluid consistency

See consumption details at the back of the "TILER" catalogue.

COLOUR: Grey and White.

ASSOCIATED COATINGS

TYPE:

PRB•COL FLEX is especially recommended for the application of the following coverings:

- Vitrified stoneware, enamelled or not.
- Porcelain stoneware.
- Low porosity natural stone* (marbles, granites, etc....).
- Terracotta.
- * Use **PRB•COL FLEX Blanc**. Stainability test according to DTU/CPT.

N.B.: The weight of the coverings is limited to 40 kg/m² on walls.

FORMAT:

PRB•COL FLEX is used to bond large sized coatings:

- Interior walls: up to 2200 cm²
- Interior floors: up to 3600 cm²
- Exterior floors: up to 3600 cm² (Stoneware 2200 cm²)

N.B.: For floors, it is advisable to respect the standards or regulations in force with respect to the slipperiness of tiles. Size restriction according to the substrate: read selection guides.

APPLICATION CONDITIONS

- Between 5°C and 35°C.
- Do not apply on substrates that are frozen, freezing or thawing, very hot or exposed to full sunlight, soaked or exposed to driving rain and strong winds.
- On outdoor patios it is recommended to wet the slab or screed before application.
- Follow the existing expansion joints and partitioning joints.
- Leave space for a boundary 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 regulators.
- Plasticizing resin combined with high wetting and adhesive power.

PRODUCT

POWDER

- Density: 1.3 ± 0.1 t/m³

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

PERFORMANCES IN HARDENED CONDITION

- Class as per EN 12004:
- C2 ET when mixed to a normal consistency
- C2 EG mixing to a fluid consistency
- Adherence (dry, water, heat, freeze-thaw): ≥ 1.00 MPa
- Resistance to temperatures: - 20° C + 70° C

PREPARATION

- Normal consistency mixing rate: 25 to 28 %
- Fluid consistency mixing rate: 30 to 33 %
- Open time: 30 min
- Adjustability time: 20min
- Pot life: 3 h

- Time before grouting: 8 to 36 h (variable depending on tiling/substrate porosity the mixing rate and the temperature)
- Time before it can be walked on: 24 to 48 h

N.B.: These values are laboratory testing values determined using applicable technical guides. The preparation conditions may modify them significantly.

PREPARATION

Refer to PRB Process Sheets

SUBSTRATE PREPARATION

- Substrates must have surfaces that are strong and clean and dry.
- Traces of plaster, grease, surface laitance, etc. must be eliminated.
- Depending on the substrates, (see above) a primer is sometimes essential, in this case apply **PRB ACCROSOL AG** or **PRB ACCROSOL PLUS** at 150 to 300 g/m² and leave to dry 2 to 4 h before spreading the adhesive mortar.
- **PRB•COL FLEX** can be used for levelling or filling with a thickness of 2 to 10 mm. Wait 24 to 48 h before covering.

PRODUCT PREPARATION

- Mix 1 25 kg bag of **PRB•COL FLEX** to the required consistency using clean water:
 - 6.25 to 7 l for a normal consistency,
 - 7.5 to 8.25 l for a fluid consistency.
- Mix using a low speed electric mixer until a consistent paste is obtained without lumps.

APPLICATION

- Spread **PRB•COL FLEX** on the substrate using a trowel or a smoother, then adjust the thickness using a serrated edge float (choice of the serration depending on the cover format and the flatness of the substrate).
- For double layers, apply a thin coat (1 mm to 2 mm) on the back of the tile.

- Double application is mandatory for all tiles that are not very porous.
- Lay the covering on fresh grooves and press down hard or beat it to obtain a good transfer and to dispel air.

N.B.: The tiles must be cleaned with the sponge immediately after their installation, likewise the tools and stains must be cleaned with water immediately after use.

GROUTING - FINISH

- Grouting is applied starting from the next day (see conditions).
- For grouting, use products from the **PRB•JOINT** line that are ready-to-use and suitable for different uses (see technical sheets).

PRECAUTIONS FOR USE

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