



PRB•COL FLUID HPR

HIGH PERFORMANCE QUICK SETTING FLUID ADHESIVE MORTAR



The PRB•COL FLUID HPR

- Suitable for U4 P4 / U4 P4S heavy traffic premises
- Quick setting simplified installation
- Grouting after 2h
- Direct use on old tiling
- Easy to mix and apply

DUST FREE*
reduced dust emissions

IB
QUALITÉ POUR LE BÂTIMENT
N° 49 MC 194



Class C2 FG

PACKAGING

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

STORAGE: 12 months.

CONSUMPTION

As localised smoothing compound: 1.5 kg/ m²/ mm thickness.
Choice of combs and adhesive application method depending on the format and use.

As an indication as per DTU, in kg/m²:

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

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

COLOUR: Grey.

AREA OF USE

USE

- Interior & exterior floors
- U4 P4 and U4 P4S and industrial premises (contact us).
- DTU 52.2 and applicable CPTs.
- Adhesive mortar certification.
- Specifications document N° 2 of September 2008: installation in U4 P4 and U4 P4S premises.

AUTHORISED SUBSTRATES

- Concrete paving.
- Cement mortar screeds.
- FOR INTERIOR USE (SEE PROCESS SHEETS):**
- Minimum P3 class floor compounds.
- Liquid cement screed(2).
- Sanded Liquid Sealing System (SEL).
- Dry screeds.
- Old adhesive tiles (adhesive or sealed)(1)(3).

- Old adhesive and resistant paints(3).
 - Rigid PVC tiles(3).
 - Asphalt screeds(3).
 - Timber panels (CTBH, CTBX)(3).
 - Bonded mosaic wood flooring(3).
 - (1) Direct bonding without primer possible (in that case sand down old enamelled or polished stoneware).
 - (2) Primer optional, subject to a cohesive and dust free surface.
 - (3) After preparation and combined with **PRB ACCROSOL AG** or **PRB ACCROSOL PLUS** primer.
- Other uses:** please consult the selection guides.

PROHIBITED SUBSTRATES

- Do not apply on:**
- Metals
 - Plaster.

ASSOCIATED COATINGS

TYPE:

- PRB•COL FLUID HPR** is especially recommended for the application of the following coverings of any porosity:
- Vitrified stoneware, extruded stoneware, enamelled or not.
 - Terracotta.
 - Natural stone paving (marble, granite...)*.
 - Recomposed tiles (please contact us).
 - * Stainability test as per DTU/CPT.

FORMAT:

- PRB•COL FLUID HPR** used to bond large sized coatings:
- Interior floors: up to 3600 cm²
 - Exterior floors: up to 2200 cm²

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

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 heavy winds.
- Follow the existing expansion joints and partitioning joints.
- Reserve an edge joint between the tiles and vertical walls.

TECHNICAL CHARACTERISTICS

COMPOSITION

- Hydraulic binders.
- Fine mineral fillers.
- Quartz sand.
- Redispersible resin.
- Key coat.
- Specific additives.
- For exterior use, install on small surfaces to allow complete transfer of the adhesive.

PRODUCT POWDER

- Density: 1.25 ± 0.1 t/m³
- Grading: < 800 µm
- alkaline pH: 12.5 ± 0.5
- AVERAGE PERFORMANCES IN HARDENED CONDITION**
- Class as per EN 12004: C2 FG
- Adherence (dry, water, heat, freeze-thaw): > 1 MPa
- Adherence to traction after a reduced time: > 0.5 MPa
- Resistance to temperatures: - 30°C + 70°C

PREPARATION

BONDING:

- Mixing rate: 23 to 25 %
- Open time: 10 ± 5 min
- Adjustability time: 15 ± 5 min
- Pot life: 30 ± 10 mins
- Time before grouting: 2 hours min.
- Light pedestrian access: 4 to 6 h
- Time before commissioning: 24 h (at 10°C or 23°C)

LEVELLING:

- Mixing rate: 30 to 34 %
- Self-levelling properties: 10 min. approx
- Pot life: 30 ± 10 mins
- Time before bonding: 2 ± 1 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 must not release moisture. They must also be perfectly flat.
- Traces of plaster, grease, surface laitance, etc. must be eliminated.
Depending on the substrates, (see above) a primer may be essential, if so apply **ACCROSOL AG** or **ACCROSOL PLUS** at a rate of 150 to 300 g/m² and leave to dry 2 to 4 h before spreading the adhesive mortar.
- Local or general levelling can be carried out using **PRB•COL FLUID HPR** for a thickness of up to 20 mm. Filling can also be carried out up to 50 mm. For levelling using **PRB•COL FLUID HPR**, mix the

product using 7.5 to 8.5 l of water per bag. Pour the mortar onto the substrate and level using a stainless steel smoother in the same way as with a floor smoothing product. Time before laying tiling: as soon as the product has set, i.e. ± 2 h.

PRODUCT PREPARATION

- Mix 1 bag of **PRB•COL FLUID HPR** with 5.75 to 6.5 l of clean water per 25 kg bag using a low speed electric mixer, until an even and lump-free paste is obtained at the required consistency.
- N.B.:** As this product is quick setting, it is recommended to mix 1/2 bags.

APPLICATION

- Pour **PRB•COL FLUID HPR** onto the substrate using a serrated trowel (choice of the serration depending on the cover format and the flatness of the substrate).
- Lay the covering on fresh grooves and press down hard or beat it to obtain a good transfer and to dispel air.
- Check the transfer regularly whilst laying.
- 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 after 1 to 3 h depending on the bonding operation.
- For grouting, use products from the **PRB•JOINT** line that are ready-to-use and suitable for different uses (see technical sheets).
- For quick re-commissioning, we recommend using **PRB•JOINT HPR**.

PRECAUTIONS FOR USE

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

Technical sheet - March 2017

PRB•COL FLUID HPR
TILE LAYING: ADHESIVE MORTARS

TILERS