

PRB • COL MONOFLEX HP

IMPROVED DEFORMABLE VERY HIGH PERFORMANCE ADHESIVE MORTAR



The PRB • COL MONOFLEX HP +

- + Superior adherence
- + Special facades: bonding of stoneware and stone up to 28 metres
- + High resistance to temperature variations
- + Recommended for all technical work
- + Underfloor heating

DUST FREE*
reduced dust emissions

Class C2S1 ET

Q B
QUALITÉ POUR LE BÂTIMENT
N° 49 MC 228



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 notched trowels and method depending on the format and purpose.
As an indication as per DTU, in kg/m²:

Notched trowel	Single application	Double application
U6	3.5	5 to 6
U9	4.5	6 to 7
DL 20	-	6 to 8
		Format > 3,600 m ² : 7 to 8

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

COLOUR: Grey and White.

AREA OF USE

USE

- New build and refurbishment.
- Interior and exterior walls and floors
- Heavily used premises.
- Private and public swimming pools.
- DTU 52.2 and applicable CPTs.
- Adhesive mortar certification.

AUTHORISED SUBSTRATES

- Concrete.
- Concrete floors of unheated buildings and over crawl space.
- Cement mortar screeds using cement mortar.
- Single layer cement mortar renders (class CS III and CS IV).
- Sanded Liquid Sealing System.

FOR INTERIOR (SEE PROCESS SHEETS):

- Minimum P3 class floor compounds.
- Plasterboards whether water repellent or not.
- Cellular concrete.
- Terracotta tile partitions.
- PCBT, PCR and PRE heated floors.
- Liquid cement screed(2).
- Anhydrite screed(3) with less than 0.5% moisture.

- Old adhesive tiles(1) (bonded or embedded).
- Old adherent and resistant paints(3).
- Rigid PVC tiles(1).
- Asphalt screeds(3).
- Water protection system.
- Timber panels (CTBH, CTBX)(3).

- (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** primer.

Other uses: refer to the selection guides.

PROHIBITED SUBSTRATES

Do not apply on:

- Ground subject to rising damp (use **ACCROSOL TECHNIC**).
- Directly on plaster.
- Metal.

ASSOCIATED COATINGS

TYPE:

PRB • COL MONOFLEX HP is especially recommended for the application of the following coverings of any porosity:

- Vitrified stoneware, enamelled or not.
- Porcelain stoneware.
- Natural stone (limestone, marble, granite, etc...)*.
- Terracotta, glass paste faïence.
- Recompensed tiles (please contact us).
- * Use **PRB • COL MONOFLEX HP Blanc**.
Stainability test according to DTU/CPT.

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

SIZE:

PRB • COL MONOFLEX HP is used to bond large sized coatings:

- Interior walls: up to 3600 cm²
- Exterior walls: up to 3600 cm²
- Interior floors: up to 3,600 cm² and 10000 cm² for new build.
- Exterior floors: up to 3600 cm²

Other formats, contact us.

N.B.: For floors, it is advisable to respect the standards or regulations in force with respect to the slipperiness of tiles. Format limits depending on 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.
- Specific additives, fibres.
- Plasticizing resin combined with high wetting and adhesive power.

PRODUCT

POWDER:

- Density: 1.2 ± 0.1 t/m³
- Grading: < 400 µm
- pH (alkaline): 12.5 ± 0.5

AVERAGE PERFORMANCES IN HARDENED CONDITION:

- Class as per EN 12004: C2S1 ET

- Adherence (dry, water, heat, freeze-thaw): ≥ 1.00 MPa
- Resistance to temperatures: - 30°C + 70°C

APPLICATION

- Mixing rate: Grey: 26 to 28 %
White: 25 to 27 %
- Open time: 30 min

- Adjustability time: 20min
- Pot life: 2h
- Time before grouting: 8 to 24 h
- Time before it can be walked on: 24 to 48 h

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

APPLICATION

Refer to PRB Process Sheets

SUBSTRATE PREPARATION

- Substrates must have surfaces that are strong and clean and must not release moisture.
- Traces of plaster, grease, surface laitance, etc. must be eliminated.
- Depending on the substrates, (see opposite) a primer may be essential, if so apply **PRB ACCROSOL AG** or **PRB ACCROSOL PLUS** at a rate of 150 to 300 g/m² and leave to dry 2 to 4 h before spreading the adhesive mortar.

- **PRB • COL MONOFLEX HP** can be used for levelling or filling from 2 to 10 mm thick. Wait 24 to 48 h before covering.

PRODUCT PREPARATION

- Mix one bag of grey **PRB • COL MONOFLEX HP** with 6.5 to 7 l of clean water (White: 6.2 to 6.8 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.

APPLICATION

- Spread **PRB • COL MONOFLEX HP** on the substrate using a trowel or a float, then

adjust the thickness using a serrated edge (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 ram 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 the next day.
- 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.