

PRB COL MONOFLEX HP

VERY HIGH PERFORMANCE FLEXIBLE ADHESIVE MORTAR

Benefits of the PRB COL MONOFLEX HP



- + Superior adhesion
- + Bonding of brick and stone slips and tiles to swimming pools, internal and external walls
- + High resistance to temperature variations
- + Recommended for all technical bonding applications
- + Suitable for use with underfloor heating



KEY PRODUCT INFORMATION

- 25 kg paper bag
- 0.98 t euro pallet, i.e. 42no 25 kg bags

STORAGE: 12 months

CONSUMPTION

As a levelling coat: 1.5 kg / m² / mm thickness = 16m² / mm thickness

Choice of notched trowels and application method depending on the application and tile format as an indication in kg/m²:

Notched trowel	Single application	Double application
U6	3.5 kg/m ² = 7 m ² per 25 kg bag	5 to 6 kg/m ² = 4 - 5 m ² per 25 kg bag
U9	4.5 kg/m ² = 5.5 m ² per 25 kg bag	6 to 7 kg/m ² = 3.5 - 4 m ² per 25 kg bag
DL 20	-	6 to 8 kg/m ² = 3.1 - 4 m ² per 25 kg bag Tile size format: 3.6 - 15 m ² = 3 - 3.5 m ² per 25 kg bag

COLOUR: Grey and White

For different coverages of adhesive mortar depending on size/ thickness of tiles refer to the PRB Tile adhesive consumption chart.



Class: C2S1 ET



WHERE TO USE?

- New build and refurbishment.
- Interior and exterior walls and floors.
- Heavily used premises with high traffic use.
- Private and public swimming pools.
- Adhesive mortar certification.

AUTHORISED SUBSTRATES

- ✓ Concrete
- ✓ Concrete floors of unheated buildings and over crawl spaces.
- ✓ Cement mortar screeds.
- ✓ 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 aircrete concrete.
- ✓ Terracotta tile partitions.
- ✓ Low temperature, reversible and electric 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 sound, cohesive and dust-free.

(3) After preparation and combined with **ACCROSOL AG** or **ACCROSOL PLUS** primer.

Other uses: Refer to the PRB selection guide.

PROHIBITED SUBSTRATES

- ✗ Walls and floors subject to rising damp. (use **ACCROSOL TECHNIC**).
- ✗ Directly on plaster.
- ✗ Metal.

ASSOCIATED COATINGS

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*).
 - Brick slips.
 - Terracotta, glass paste faïence.
 - Recomposed tiles (please contact us).
- * Use **PRB COL MONOFLEX HP Blanc**.

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

PRB COL MONOFLEX HP is used to bond large sized tiles:

- Interior walls: up to 3600 cm²
- Exterior walls: up to 3600 cm²
- Interior floors: up to 3,600 cm² and 10,000 cm² for new build.
- Exterior floors: up to 3600 cm²
- Other formats, contact us.

N.B.: For floors, it is advisable to check the standards or regulations in force with regard to slip resistance requirements of the tiles. Format limits depending on the substrate: Read the 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

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 CHARACTERISTICS

POWDER:

- Density: $1.2 \pm 0.1 \text{ t/m}^3$
- Grading: $< 400 \mu\text{m}$
- pH (alkaline): 12.5 ± 0.5

AVERAGE PERFORMANCES IN HARDENED CONDITION:

- Class as per EN 12004: C2S1 ET
- Adherence (dry, water, heat, freeze-thaw): $\geq 1.00 \text{ MPa}$
- Resistance to temperatures: $-30^\circ\text{C} + 70^\circ\text{C}$

MIXING, APPLICATION & CURING OVERVIEW

- Mixing rate:
Grey: 6.5 to 7.0 L clean water / 25kg bag.
White: 6.2 to 6.8 L clean water / 25kg bag.
- Open time: 30 mins
- Adjustability time: 20 mins
- Pot life: 2hrs
- Time before grouting: 8 to 24 hrs
- Time before it can be walked on: 24 to 48 hrs

N.B.: These values are estimates based upon standard laboratory or site testing. The preparation conditions, conditions of use, substrate type, site conditions etc. can significantly alter these values.

SCAN THE QR CODE BELOW
TO FIND THE MATERIAL
QUANTITY NEEDED



Product	Quantity	Coverage
ACCORON PUTY (20x)	3	35m2
N/A	N/A	N/A
AVN200 Mesh - 1mm	3	

Material calculations on the go.

Calculate the exact materials you need to get the job done. Wherever you are.

PREPARATION

1. SUBSTRATE PREPARATION

- Substrates must have surfaces that are sound, be suitable for purpose, clean and must not release moisture.
- Traces of plaster, grease, surface laitance, etc. must be fully removed.
- 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 hrs before applying the adhesive mortar.
- **PRB COL MONOFLEX HP** can be used for levelling or filling from 2 to 10 mm thick. Wait 24 to 48 hrs before covering.

2. PRODUCT PREPARATION



Mix one bag of grey **PRB COL MONOFLEX HP** with 6.5 to 7.0 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.

4. APPLICATION AND FINISH TYPE

- 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 is dependent on the tile 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 adhesive grooves and press down hard or tamp it to obtain a good adhesion and to dispel air pockets.

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

COVERING AND GROUTING TIME

- 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 the specific technical data sheets).

HEALTH & SAFETY

- Contains cement and lime.
- May produce an allergic reaction. Harmful if inhaled, irritating to eyes and skin. Wear suitable protective clothing, gloves and eye/face protection.
- In case of contact with eyes, rinse immediately with plenty of water and seek medical help. After contact with skin, wash immediately with plenty of soap and water.
- Keep out of the reach of children.
- For further information, please read the Material Safety Data Sheet for this product.

Technical sheet – June 2026

The only purpose of this technical data sheet is to inform customers about the product and its specific uses. The information it contains is based on current knowledge and experience. The end user must carry out a representative test to ensure the product is suitable for their specific application and no responsibility can be accepted, or any warranty given by our Representatives, Agents or Distributors. Our general terms and conditions of sale shall prevail, and the end user should check to ensure this document has not been replaced by a more updated version.



01242 524228



technical@prbsystems.co.uk



www.prbsystems.co.uk



Montis Court, Bouncers Lane, Cheltenham, GL52 5JW