



PRB • COL DUO MAX

LIGHTWEIGHT FLEXIBLE ADHESIVE MORTAR FOR NORMAL AND FLUID CONSISTENCIES



The +s of PRB•COL DUO MAX

- + Easier to use: lightweight bag with handle and no dust
- + Can be grouted after 4 hrs
- + Fluid consistency: without back buttering up to 3,600 cm²
- + Creamy texture: easy to apply
- + Good slip resistance



SANS POUSSIÈRE*
Émissions de poussière réduite

IQB
QUALITÉ POUR LE BÂTIMENT
No. 49 MC 516



Class C2 S1 ET (normal)
Class C2 S1 EG (fluid)

APPLICATIONS

USES

- New and renovation work.
- Interior and exterior walls and floors.
- For floors up to category U4, P3.
- French DTU standard 52.2 and Technical Specifications in force.
- Adhesive mortar certification.

SUITABLE SUBSTRATES

- Concrete.
- Concrete floors in unheated rooms and over crawl spaces.
- Render and cement mortar screeds.
- Single coat cement mortar render (CS category III and IV).
- Liquid Sealer Systems (SEL) with sand.

INDOOR USE (SEE PROCESS SHEETS):

- Liquid cement screeds (2).
- Anhydrite screeds (3) with a moisture content of less than 0.5%.
- Floor coatings classified as P3 or higher.
- Dry screeds.
- PCBT, PCR and PRE heated floors.
- Plasterboard (water-resistant or standard).

- Autoclaved aerated concrete.
- Terracotta tile walls.
- Old bonded tiles (1) (glued or grouted).
- Old adherent and resistant paint. (3)
- Rigid PVC tiles (1).
- Wooden panels (chipboard or plywood or OSB) (3)
- Bonded mosaic parquet flooring (3).

- (1) The use of primer to improve preparation is optional (see the PRB Process Sheets).
- (2) The use of a primer is optional provided the surface is adherent and free of dust.
- (3) After preparation and in combination with a primer: **PRB ACCROSOL AG**, **PRB ACCROSOL PLUS** or **PRB ACCROSOL EXPRESS**.

Other uses: see the selection guides.

PACKAGING

– 15 kg paper bag.

STORAGE LIFE: 18 months.

CONSUMPTION/USE

Localised levelling: 1.2 kg/m²/mm of thickness.

The type of trowel and bonding method should be chosen according to the size of the tiles and their intended use.

As a guide, according to the DTU/Technical Specifications, in kg/m²:

Serrated trowel	Without back buttering	With back buttering	} Normal consistency
U6	1.8	3	
U9	2.3 to 2.6	3.6 to 4.2	
DL 20	3.5	4.2	} Fluid consistency
Tile sizes from 3,600 to 15,000 cm ² : 4.6 to 5			

Serrated trowel	Sizes in cm ²	Without back buttering	With back buttering	} Fluid consistency
U9	120 to 1,200	2.3 to 2.6	2.6 to 3.2	
DL 20	1,200 to 2,200	3.2 to 3.5	3.5 to 4	
DL 20	2,200 to 3,600	3.5	4	
DL 20	3,600 to 15,000	—	4.6 to 5	

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

COLOUR: Grey.

UNSUITABLE SUBSTRATES

Do not apply to:

- Floors subject to rising damp (apply PRB ACCROSOL TECHNIC).
- Bare plaster.
- Metal.

COMPATIBLE COVERINGS

TYPE:

PRB•COL DUO MAX is suitable for laying the following types of tiles and coverings, regardless of their porosity:

- Glazed or extruded stoneware (enamelled or non-enamelled).
- Fully glazed stoneware.
- Terracotta, pâte de verre & earthenware.
- Natural stone⁽¹⁾ (limestone, marble or granite).

⁽¹⁾ Stain test in accordance with DTU/CPT.

SIZE:

PRB•COL DUO MAX is suitable for laying large tiles and coverings:

- Interior walls: up to 3,600cm².
- Exterior walls: up to 3,600 cm².
- Exterior floors: up to 3,600 cm² and 15,000 cm² for new installations.
- Exterior floors: up to 3,600 cm².

NB: For floors, the applicable standards and regulations regarding the slip resistance of the tiles must be respected. See the selection guide for size limitations according to the type of substrate.

APPLICATION CONDITIONS

- Between 5°C and 35°C.
- Do not apply to frozen, freezing, thawing, hot, wet or damp substrates or in full sunlight
- Respect existing movement joints.
- Leave space for an edging joint between the tiles and the vertical walls.

TECHNICAL CHARACTERISTICS

INGREDIENTS

- Fluid binders.
- Fine, light-weight fillers.
- Specific additives.
- Incorporated resin plasticiser with high wetting and adhesion properties.

PRODUCT

POWDER:

- Density: 0.8 ± 0.1 t/m³.
- Grain size: ≤ 300 µm.
- pH (alkaline): 12.5 ± 0.5.

AVERAGE PERFORMANCE WHEN HARDENED:

- Class - according to EN 12004-1:
 - C2 S1 ET when mixed to a normal consistency
 - C2 S1 EG when mixed to a fluid consistency
- Adherence (dry, water, heat, freezing-thawing):
 - ≥ 1 MPa.
- Temperature resistance:
 - 30°C + 70°C.

APPLICATION

PRB COL DUO MAX	
Amount of water needed for normal consistency:	32 to 34%.
Amount of water needed for fluid consistency:	39 to 41 %
Resting time	Approx. 5 mins
Tack free time	30 ± 10mins
Adjustability time	20 to 30 mins.
Workable life - normal consistency	Approx. 1 hr
Workable life - fluid consistency	Approx. 1 hr 30
Waiting time before grouting	from 4 hrs
Ready to walk on after	12 to 24 hrs

NB: These values are estimates from laboratory tests carried out in accordance with the technical guides. The application conditions can significantly change these values.

APPLICATION

Please refer to the PRB Process Sheets

SUBSTRATE PREPARATION

- Substrate surfaces must be resistant, clean and dry. If there is any residual laitance, sand and then brush and vacuum to remove any dust.
- Depending on the substrate (see above), a primer may be required. In this case, apply **PRB ACCROSOL AG** or **PRB ACCROSOL PLUS** at a rate of 150 to 300 g/m² and leave to dry for 2 to 4 hrs before applying the adhesive mortar.
- For a faster drying time (at least 30 minutes depending on the substrate), apply **PRB ACCROSOL EXPRESS** at a rate of 150 to 300 g/m².

- They must also be flat and even. For uneven surfaces, patch locally with **PRB•COL DUO MAX** (at a thickness of up to 10 mm) the day before laying. Wait 24 to 48 hrs before laying.

PRODUCT PREPARATION

- Mix 1 bag of 15kg of **PRB•COL DUO MAX** to the desired consistency with clean water:
 - 4.8 to 5.1 L for normal consistency,
 - 5.8 to 6.2 L for a fluid consistency.
- Mix with an electric mixer at low speed until you obtain a smooth, lump-free paste.

APPLICATION

- Spread **PRB•COL DUO MAX** over the substrate and adjust the thickness with a notched trowel (to be chosen according to the size of the tile and the evenness of the substrate).
- Lay the tiles on the fresh mortar and press or tap firmly to ensure that the mortar is evenly distributed on the back of the tiles and to expel any air bubbles.
- When back buttering, apply a thin layer of 1 to 2 mm (mixed to a normal consistency) to the back of the tile. You should always back butter oblong tiles and tiles with low porosity (Technical Specifications).
- Fluid consistency: check the transfer regularly when laying.

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

- Depending on weather conditions, joints can be grouted after 4 hours when using **PRB COL DUO MAX**.
- For grouting, use a product from the **PRB•JOINT** range - these products are ready to use and suitable for a variety of applications (please refer to the technical data sheets).

PRECAUTIONS FOR USE

- Contains cement and/or lime.
- Please read the packaging safety label and safety data sheet before use.