

PRB • COL DOUBLE FLEX S2

HIGHLY DEFORMABLE ADHESIVE MORTAR WITH DOUBLE MIXING RATE

PRB•COL DOUBLE FLEX S2 +

- + Very high deformability (S2)
- + Special very large formats: $\leq 30,000 \text{ cm}^2$
- + Tile laying on fresh screed after 48 h
- + Ideal for substrates with constraints
- + Double mixing rate: single or double application

Class C2S2 ET (normal)
Class C2S2 EG (fluid)



DUST FREE*
reduced dust emissions

AREA OF USE

USE

Adhesive mortar for tile laying:

- New build and refurbishment.
- Interior & exterior walls and floors.
- Premises up to U4, P3.

REFERENCE DOCUMENTS

- DTU S2.2 and applicable CPTs.
- Tile manufacturer's instructions.
- Refer to CPT 3666 (large formats) concerning the reduced tolerances of the substrate and the tiles.

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

INDOOR USE (SEE PROCESS SHEETS):

- Liquid cement screed⁽²⁾.
- Fresh cement screed aged at least 48 h.
- Anhydrite screed⁽³⁾ with less than 0.5 % moisture.

- Minimum P3 class floor compounds.
- Dry screeds.
- PCBT, PCR, PRE underfloor heating.
- Plasterboards whether water repellent or not.
- Cellular concrete.
- Terracotta tile partitions.
- Old adherent tiles (1) (bonded or embedded).
- Old adherent and resistant paints (3).
- Rigid PVC tiles⁽¹⁾.
- Wood panels (CTBH, CTBX)⁽³⁾.
- Bonded mosaic wood flooring (3).

- (1) Application of a primer to improve the preparation is optional (Refer to the PRB Process sheets).
- (2) Primer optional, on condition that the surface condition is cohesive and dust-free.
- (3) With preparation and combined with the PRB ACCROSOL AG PRIMER, PRB ACCROSOL PLUS or PRB ACCROSOL EXPRESS.

Other uses: refer to the selection guides.

PACKAGING

- 25 kg paper bag
- 1.200 t-pallet, i.e. 48 25 kg-bags

STORAGE: 18 months.

CONSUMPTION

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

Serrated float	Single application	Double application
U6	3.5	5 or 6
U9	4.5	6 or 7
DL 20	5 to 8	Formats > 3,600 cm ² : 7 to 8

Normal consistency

Serrated float	Sizes in cm ²	Single application
U9	120 to 1,200	4 to 5
DL 20	1,200 to 2,200	5 to 6
DL 20	2,200 to 3,600	6 to 8
DL 20	3,600 to 10,000	7 to 8

Fluid consistency

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

COLOUR: Grey and White.

PROHIBITED SUBSTRATES

Do not apply on:

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

ASSOCIATED COVERINGS

The coverings must be compliant with applicable standards.

TYPE:

- PRB•COL DOUBLE FLEX S2 is especially recommended for the laying of large coverings of any porosity:
- Vitrified stoneware, extruded stoneware (enamelled or not).
 - Fully vitrified stoneware.
 - Natural stone⁽⁴⁾: limestone, marble, granite.
 - Terracotta, glass paste, faience.

- (4) Use PRB COL DOUBLE FLEX S2 White. Stability test according to DTU/CPT.

FORMAT:

PRB•COL DOUBLE FLEX S2 is used to lay large sized coverings:

- Interior walls: up to 30,000 cm²
- Exterior walls: up to 3,600 cm² *
- Interior floors: up to 30,000 cm²
- Exterior floors: up to 3,600 cm² *
- * For sizes > 3,600 cm², contact the PRB technical department.

N.B.: For floors, it is advisable to respect applicable standards or regulations with respect to the slipperiness of tiles. Format restriction depending on the substrate: refer to the selection guides.

APPLICATION CONDITIONS

- Ambient temperatures between 5°C and 35°C.
- Do not apply on frozen or thawing substrates, or substrates that are hot or in direct sunlight, soaked or damp.
- Follow the existing expansion joints and partitioning joints.
- Reserve an edge joint between the tiles and vertical walls.
- Large format and "Slim" tiles: refer to the manufacturer instructions.

TECHNICAL SPECIFICATIONS

COMPOSITION

- Hydraulic binders.
- Fillers.
- Specific additives.
- Plasticizing resin combined with high wetting and adhesive power.

SPECIFICATIONS

POWDER:

- Grading: $\leq 0.6 \text{ mm}$

PASTE:

- alkaline pH: about 12.5

PERFORMANCES AS PER STANDARD:

- Class as per EN 12004:
- C2 S2 ET when mixing to a normal consistency.
- C2 S2 EG mixing to a fluid consistency.
- Adherence (dry, water, heat, freeze-thaw): $\geq 1 \text{ MPa}$
- Deformability: $\geq 5 \text{ mm}$
- Resistance to temperatures: -30°C to $+70^\circ\text{C}$

PREPARATION

- Normal consistency mixing rate: 26 to 28 %
- Fluid consistency mixing rate: 30 to 32 %
- Standing time: 5 min. approx
- Open time: 30 \pm 10 min.
- Adjustment time: 20 to 30 min.
- Pot life: 2 hours approx.
- Time before grouting: 8 to 24 h
- Time before pedestrian access: 24 to 48 h

In cold weather using fluid consistency, the drying time before grouting can be up to 72 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.
- In the case of residual laitance, rub down then remove dust by brushing - vacuuming.
- 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. For a quicker drying time, 30 min. minimum depending on the substrate, use PRB ACCROSOL EXPRESS at a rate of 150 to 300 g/m².

They must also be perfectly flat. Otherwise, level locally using PRB•COL DOUBLE FLEX S2 the day before laying, up to 10 mm. Wait 24 to 48 h before laying.

PRODUCT PREPARATION

- Mix 1 25 kg bag of PRB•COL DOUBLE FLEX S2 to the required consistency using clean water:
- 6.5 to 7.0 l for a normal consistency,
- 7.5 to 8.0 l for a fluid consistency.
- Mix using a low speed electric mixer until a consistent paste is obtained without lumps.
- Leave to rest for about 5 min.

APPLICATION

- Spread PRB•COL DOUBLE FLEX S2 onto the substrate and adjust the thickness using a serrated float (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.
- For double adhesive application (normal consistency), apply a thin coat of 1 to 2 mm on the back of the tiles.
- Double application is mandatory for all tiles that are not sufficiently porous and recommended for outdoor floors.
- Fluid consistency: check the transfer regularly whilst laying.

N.B.: The tiles must be cleaned with the sponge immediately after their installation, similarly 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 the 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.