

PRB • COL SCEL

CEMENT ADHESIVE FOR BONDED LAYING



The PRB • COL SCEL +

- + Improves the bonding of traditionally laid tiling
- + Superior adherence compared to pure cement
- + Can be used to bond low porosity tiles and stones
- + Use as slurry



Bonding as per DTU 52.1

AREA OF USE

USE

- New build and refurbishment.
- Interior & exterior floors
- Housing, collective and commercial premises
- Patios, pedestrian areas
- DTU 52.1 (NFP 61-202-1 standard).

AUTHORISED SUBSTRATES

- Traditional fresh mortar for bonded laying.
- PRB MANUCEM TRADI, PRB CHAPECEM TRADI mortars.

PROHIBITED SUBSTRATES

Do not apply on:

- Hardened screed.
- Not suitable to bond synthetic tiling.

ASSOCIATED COATINGS

TYPE:

PRB • COL SCEL is especially recommended for the bonded application of the following coverings:

- Stoneware, extruded stoneware, enamelled or not.
- Fully vitrified stoneware (porosity $\leq 0.5\%$).
- Terracotta.
- Granite.
- Natural stone tiles.
- Cement slabs or tiles.

PACKAGING

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

STORAGE: 12 months.

CONSUMPTION

Consumption varies depending on:

- Application (slurry or powdering).
- The fresh screed (flatness, roughness).
- The type of covering.
- The tile format and type of notched trowel.

It varies between 1.5 and 5 kg/m², i.e.:

Tile surface	Adhesive application method	Choice of notched trowel	Consumption (kg/m ²)
S < 500	Slurry Powder	Smoothed	1.5 to 3
500 < S < 900	Slurry Powder	Combed (V6)	2 to 4
900 < S < 3,600	Slurry Powder	Combed (U6)	3 to 5

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

N.B.: On porous and natural stone, carry out a test first to avoid all risks of staining.

FORMAT:

PRB • COL SCEL is used to bond large sized coverings up to 3,600 cm² (60 x 60).

N.B.: For floors, it is advisable to respect the standards or regulations in force with respect to the slipperiness of tiles.

APPLICATION CONDITIONS

- Between 5°C and 35°C.
- Follow the existing expansion joints and partitioning joints.
- Reserve an edge joint (from 3 to 10 mm see DTU) between the screed, the tiles and the vertical walls.

TECHNICAL CHARACTERISTICS

COMPOSITION

- Hydraulic binders.
- Fine mineral fillers.
- Quartz sand.
- Adherence enhancer.
- Wetting agent.
- Specific additives.

PRODUCT

- Apparent density: 1.2 ± 0.1 T/m³
- Grading: < 600 μ m
- pH (alkaline): 12.5 ± 0.5

AVERAGE PERFORMANCES

WHEN HARD:

- Adherence (dry, water, heat, freeze-thaw): > 1 MPa
- Resistance to temperatures: - 30°C + 70°C

PREPARATION (SLURRY)

- Mixing rate: 28 to 32 %
- Laying thickness: 3 ± 1 mm
- Open time: 20 ± 10 min.
- Adjustability time: 10 ± 5 min.
- Pot life: 2 ± 1 h
- Time before grouting: the next day
- Time before it can be walked on: Please refer to DTU 52.1 - Section 11

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 DTU 52.1

MORTAR PREPARATION

Screeds must be dosed to the applicable DTU standard when receiving a ceramic or similar bonded coating.

PRODUCT PREPARATION

USE AS SLURRY

- Mix 1 bag of PRB • COL SCEL with 7 to 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 (fluid or thick) depending on the slurry comb adjustment.

- Pour PRB • COL SCEL on the fresh mortar and adjust the thickness using:
 - A smoother or float.
 - A trowel or serrated smoothing trowel (choice of serrated edge depending on the coating format and the screed roughness).
- Lay the covering on fresh slurry and press down hard or beat it to obtain a good transfer and to dispel air. For large formats (> 900 cm²) apply an additional layer on the laying side (double slurry) using a brush or a trowel.

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.

USE BY POWDERING (for formats < 500 cm²)

- Evenly powder PRB • COL SCEL so that the screed is covered by a continuous layer.
- Evenly wet the powder by spraying clean water avoiding any excess, then, lay the covering and beat to obtain good bonding.

GROUTING - FINISH

- Grouting must be applied on the day after laying.
- For grouting, use PRB JOINT line, ready to use products 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.