

Prince Color FM-FX Plus

Highly flexible grout for tiles, floor tiles on balconies, terraces, floor coverings and under-floor heating systems

Field of application

- For indoor and outdoor use, frost resistant
- For walls and floors
- For joint width 1 to 12 mm.
- For residences, bathrooms and shower baths; for industrial areas with high moisture and traffic load
- Very suitable for balconies, loggie and terraces
- On heating floors, dry screeds, concrete units, plaster boards, plaster floors and for areas with big thermal differences
- For all types of tiles and paving: earthenware, whiteware and glass, glass, white earthenware and vitrified facing

Features

- Highly waterproof
- With fungicide treatment
- Perfumed – have a pleasant smell when applied
- Colourfast
- Hydrophobic treatment – non-wettable for whole cross-section of joint
- Highly resistant against dirty surface
- Very flexible and capable to transfer high thermal stress - equalizing of temperature variation
- Crack – free hardening, the joint does not crack or crumble
- High abrasion - resistance
- Easy cleaning on absorbent and non-absorbent tiles
- Meets requirements of CSN EN 13888 standard, classes CG2, ArW

Substrate preparation

- Immediately after setting the tiles, rake joints and clean to a uniform depth.
- Before grouting allow adhesive to cure and dry.

Application

Grout mixing

- Fill gauging water (potable or according CSN EN 10008 standard) into a clean working vessel. Add the powder and mix the powder until a plastic, lump-free consistency is achieved. For smaller amounts up to 1 kg can be mixed by hand the bigger ones by a suitable slow speed stirrer (max. 500 r.p.m.).
- Mixture is allowed to slake for about 3 minutes then is remixed briefly again.

Grouting

- Prince Color® FM-FX Plus grout is applied into the joints on floors and walls with a suitable rubber spreader. After the grout has cured (finger touch test), the surface of the tiles is cleaned with a slightly damp sponge.
- After cure the excess grout wash with damp sponge.

Technical Datasheets

Composition	Powder mixture of fine cements with lightfast, alkali resistant pigments and aggregates.
Consumption	at 3 mm width and 6 mm depth of joint
- tiling 5 x 5 cm	approx. 1,2 kg/m ²
- tiling 20 x 20 cm	approx. 0,6 kg/m ²
- tiling 20 x 30 cm	approx. 0,5 kg/m ²
- tiling 30 x 30 cm	approx. 0,3 kg/m ²
Joint width	approx. 1-12 mm
Wet mortar density	1,97 kg/dm ³
Working temperature	+ 5°C to +25 °C (substrate and ambient temperature)
Gauging water for	potable water or water according CSN EN 1008
FM – FX Plus white	
- 3 kg pail	0,9 l
FM – FX Plus coloured	
- 3 kg pail	0,75 l
Working time*	approx. 40 minutes
Curing times*	
- walkable after	approx. 6 hours
- fully loaded after	approx. 24 hours

*At + 23 °C and 50 % relative humidity. Higher temperatures speed up and lower temperatures increase mentioned times.

Please note

- Do not apply at substrate temperatures below +5°C or above + 25°C
- Dividing, shrinkage and connecting joints pour out with Prince Color® FM-S elastic grout
- Before grouting, corner and movement joints are to be protected by inserting polystyrene strips or foam sections.
- Keep the joints moist by water sprinkling especially in case of non – absorbent tiles and substrates.
- The excess grout should be removed immediately from ragged tiles (test grouting or cleaning before the beginning of application).
- For unglazed tiles with porous surface is necessary to test the cleaning in order to avoid a spot creating
- Damp sponge should be used; using a dry cloth for cleaning could be the reason of discolouring.
- A slight discolouring is possible so it is necessary to use grout with the same tint number.
- Partly cured grout is not recommended to dilute with water or mix with fresh one or with powder.
- Tools should be washed with water immediately after use; cured residues can be removed by mechanical means.

Packing and storage

- Packing 3 kg plastic pail.
- Store on dry place, lifetime is 12 months after production data

Available

3kg plastic pail	
White	Melba
Grey	Bahamas
Light Grey	Beige
Cement Grey	Caramel
Anthracite	Light Brown
Magnolia	Dark Brown
Damask	Light Green
Red	Dark Green
Yellow	Light Blue
Jasmine	Dark Blue

Notice: Colour tints on labels are tentative only and it is necessary to compare them with actual specimen.

Safety instruction

- Irritating of skin, eyes and mucous membranes
- May cause a sensitisation when contact skin
- Avoid any contact with skin or eyes
- Do not inhale
- Do not eat or drink during the work
- Keep out of children
- Wear suitable gloves and protective clothing

Information for architects and engineers

Consultations on the building sites, additional information, tests approvals and samples descriptions are available at the local technical offices or directly in company residence.

Disposal information

Product is to be disposed in accordance with particular rules valid in country of use.
Do not allow product to reach ground water, water bodies and sewage systems.

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