

# Prince Color FM

## Grout for tiles, floor tiles and paving

### Field of application

- For indoor and outdoor use
- For walls and floors
- Grouting of ceramic tiles and paving, middle and small mosaic, stoneware, bricks strips and glass tiles walls
- For joint width 1 to 8 mm.

### Features

- Waterproof and frost resistant grout for universal indoor and outdoor using
- Crack – free hardening, the joint does not crack or crumble
- No waste time for wall tiling and paving, immediately tile or paving is walk able apply grouting
- High strength and resistance of the joint

### 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 into a 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<sup>®</sup> FM grout is applied into the joints with a 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.

### 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<sup>®</sup> 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.

### Technical Datasheets

Composition	Powder mixture of fine cements with lightfast, alkali resistant pigments and aggregates.
Consumption	approx. 0, 5-0,8 kg /m <sup>2</sup> (according to the tiles dimensions and widths and depths of joints)
Joint width	approx. 1-8 mm
Wet mortar density	1, 97 kg/dm <sup>3</sup>
Working temperature	+ 5°C to +25 °C (substrate and ambient temperature)
Gauging water for	potable water or water according CSN EN 1008
FM white	
- 20 kg bag	6,2 – 6,4 l
- 3 kg sack	0,93 – 0,96 l
- 1 kg of powder	0,31 – 0,32 l
FM grey and other colours	
- 20 kg bag	4,6 – 4,8 l
- 3 kg sack	0,69 – 0,72 l
- 1 kg of powder	0,23 – 0,24 l
Working time*	approx. 30 minutes
Compression strength after 28 days*	min. 15 MPa
Curing times*	
- walkable after	approx. 12 hours
- fully loaded	approx. 3 days

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



### **Packing and storage**

- Packing 20 kg bag and 3 kg bag with PE liner.
- Store on dry place, lifetime is 6 months after production data

### **Available**

20 kg bag	3kg sack	
Grey	White	Melba
White	Grey	Bahamas
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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