



# Flexcolor



**Ready-to-use polymer filler paste with water-repellent DropEffect® and mould-resistant BioBlock® technology, for grouting joints from 2 to 10 mm in ceramic tiles**



## WHERE TO USE

**Flexcolor** is used for grouting joints in all types of tiles and mosaic on interior floors and walls and exterior walls.

## Some application examples

Grouting ceramic tiles.

## TECHNICAL CHARACTERISTICS

**Flexcolor** is an acrylic resin-based grouting mortar dispersed in water, with a mineral filler and admixtures.

**Flexcolor** is a ready-to-use paste, and its consistency makes it easy to apply.

**Flexcolor** sets through the evaporation of its water content, becomes flexible with a high bond strength which is resistant to vibration and the deformation of building materials. These characteristics make it particularly suitable for exterior façades and flexible substrates (e.g. panels for exhibition stands).

**Flexcolor** may be used to grout joints from 2 mm to 10 mm wide.

**Flexcolor** is easy to apply, remove and clean from the surface of tiles. Once dry, it has a uniform colour, a smooth finish and is resistant to water and the formation of mould, thanks to **BioBlock®** technology.

**BioBlock®** technology consists of special organic molecules which are distributed uniformly in the

micro-structure of the tile joint, to block the formation of micro-organisms at the root causing alterations due to mould.

**DropEffect®** technology, with a synergic effect, makes the tile joints water-repellent and reduces the absorption of surface water.

## RECOMMENDATIONS

- Do not use on exterior floors.
- Do not use to grout joints which are continuously immersed in water (swimming pools, fountains, etc.).
- Do not use to grout joints in natural stone.

## APPLICATION PROCEDURE

### Filling joints

Joints must be clean and free of dust. Fill the joints with **Flexcolor** using a special MAPEI trowel or rubber float. Do not leave any gaps or steps, and apply to create a smooth finish. Remove excess **Flexcolor** from the surface while it is still fresh, by moving the trowel or float diagonally across the joints.

### Finish

10-15 minutes after applying **Flexcolor**, depending on the surrounding temperature and absorption of the materials, and only once a surface skin



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Laying Flexcolor with a rubber trowel



Cleaning the joints with a Scotch-Brite® pad



Finishing the surface with a hard, cellulose sponge

## TECHNICAL DATA (typical values)

### PRODUCT IDENTITY

Consistency:	thick paste
Colour:	3
Bulk density (g/cm <sup>3</sup> ):	1.60
Dry solids content (%):	88
Brookfield viscosity (mPa·s):	600,000
pH:	8.5

### APPLICATION DATA (at +23°C and 50% R.H.)

Application temperature range:	from +5°C to +35°C
Waiting time for grouting after laying	
– on walls bonded with normal adhesive:	4-8 hours
– on walls bonded with quick-setting adhesive:	1-2 hours
– on walls laid with mortar:	2-3 days
– on floors bonded with normal adhesive:	24 hours
– on floors bonded with quick-setting adhesive:	3-4 hours
– on floors bonded with mortar:	7-10 days
Waiting time before finishing operation:	10-15 minutes
Set to light foot traffic:	> 48 h
Ready for use:	7 days

### FINAL PERFORMANCE

Resistance to humidity:	good
Resistance to ageing:	good
Resistance to solvents, oil and alkalis:	fair
Resistance to acids:	fair
Resistance to temperature:	from -15°C to +70°C



has started to form, remove the excess **Flexcolor** using a damp Scotch-Brite® pad, moving it diagonally across the joints. Rinse the Scotch-Brite® pad frequently, using two different containers of water: one to remove the excess mix from the sponge, and the other, containing clean water, to rinse the sponge.

Final cleaning of the surface and finishing of the joints can then be carried out using a slightly damp, hard cellulose sponge.

#### **SET TO LIGHT FOR TRAFFIC**

Floors are ready for foot traffic after approx. 48 hours.

#### **READY FOR USE**

Surfaces grouted with **Flexcolor** may be put into service after approximately 7 days.

#### **Cleaning**

Residues may be removed the day after grouting using a dry cloth. Tools and materials are easy to clean with water while the product is still fresh. Once

dry, the product must be removed using mechanical means, or a liquid cleaner such as benzene, acetone solvent or **Pulicol 2000**.

#### **CONSUMPTION**

The consumption of **Flexcolor** varies from 0.2 kg/m<sup>2</sup> to 1 kg/m<sup>2</sup>, according to the size of the joints.

#### **PACKAGING**

**Flexcolor** is available in 5 kg plastic tubs.

#### **COLOURS AVAILABLE**

**Flexcolor** is available in white 100, silver-grey 111 and beige 2000 132.

#### **STORAGE**

**Flexcolor** may be stored for 24 months in its original packaging in a dry place.

#### **SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION**

**Flexcolor** is not considered as dangerous according to the current regulation

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regarding the classification of mixtures. We recommend the use of protective gloves and goggles and to take the usual precautions for handling chemicals. For further and complete information about the safe use of our product please refer to the latest version of our Material Safety Data Sheet.

PRODUCT FOR PROFESSIONAL USE.

### WARNING

*Although the technical details and recommendations contained in this product data sheet correspond to the best of our knowledge and experience, all the above information must, in every case, be taken as merely indicative and subject to confirmation after long-term practical application; for this reason, anyone who intends to use the product must ensure*

*beforehand that it is suitable for the envisaged application. In every case, the user alone is fully responsible for any consequences deriving from the use of the product.*

**Please refer to the current version of the Technical Data Sheet, available from our website [www.mapei.com](http://www.mapei.com)**



**All relevant references for the product are available upon request and from [www.mapei.com](http://www.mapei.com)**

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4501-11-2014 (GB)