FLEXCOLOR EASY GROUT

Water-based, single-component, ready-to-use acryl-polyurethane filler for grouting joints from 2 to 10 mm, mould-resistant with Bioblock® technology



WHERE TO USE

Routing indoors of floors and wall coverings and outside walls covered with ceramic tiles or vitreous mosaic.

TECHNICAL CHARACTERISTICS

Flexcolor Easy Grout is an acrylic-polyurethane-based grout in water dispersion containing mineral fillers and special additives according to a formula developed in MAPEI R&D laboratories.
Flexcolor Easy Grout is supplied as a ready-to-use paste and has a consistency that makes it easy to apply.
Flexcolor Easy Grout sets as the water in the product evaporates to form a plastic consistency with excellent bond strength and good resistance to vibrations and deformations. **Flexcolor Easy Grout** may be used to fill joints from 2 to 10 mm wide. **Flexcolor Easy Grout** is easy to apply and is also easy to remove and clean from the surface of tiles.
Once dry, it has a uniform colour, a smooth surface finish, is resistant to water and, thanks to BioBlock technology, it is also resistant to the formation of mould. BioBlock technology consists of special organic molecules which, by distributing themselves evenly throughout the micro-structure of the joints, block the formation of micro-organisms that cause mould.
DropEffect technology has a synergic effect that makes joints water-repellent and reduces absorption of water resting on the surface.
Flexcolor Easy Grout is a product with very low emission of volatile organic compounds (VOC), which safeguards the health and safety of installers and final users. It is certified as EC1 Plus.
Flexcolor Easy Grout also meets F**** (F-Four Star) Japanese Industrial Standard (JIS) in terms of low formaldehyde emission.

RECOMMENDATIONS

- The product is ready to use. Do not add water; it could dilute the resin in the product and make the grout weaker once it has hardened.
- Do not use **Flexcolor Easy Grout** to grout terracotta tiles or tiles with high absorption/surface porosity, as it may change their surface appearance.
- Do not add cement, alcohol, or other substances to the product.
- Mix the paste briefly with a trowel or spreader before use.
- Do not use the product to grout external floors, tubs, swimming pools, steam baths, saunas or any other areas where there is constant standing water. We advise against mixing the product with a drill or on surfaces where pools of water accumulate occasionally or continuously (e.g. shower trays).
- When grouting natural stone and mosaics, always carry out a preliminary test to check if the surface absorbs the acrylic - polyurethane resin contained in the product. If resin is absorbed, it would form a dark stain on the surface of the material which may be impossible to remove.

- Because there are so many different types of ceramic tiles and mosaics available on the market, if in doubt, it is recommended to grout only a small area to make sure they are compatible with the product or not too difficult to clean. Never use this product on tiles or mosaic with a rough or porous surface (e.g. polished porcelain).
- **Flexcolor Easy Grout** must be used with a temperature between +10°C and +30°C.
- Do not cover the surface of freshly grouted tiles with sheets or other material; condensation could form and affect the water evaporation process of the resin. Wait at least 48-72 hours before protecting the surface, depending on the surrounding temperature.
- If any grout is left over, make sure the container is well sealed and that the protection gauze is placed on the surface of the remaining grout. This will help conserve the material.

APPLICATION PROCEDURE

Filling joints

Joints must be dry, clean and free of dust. Fill the joints well with **Flexcolor Easy Grout** using the special MAPEI rubber trowel, without leaving voids or unevenness and leaving the surface smooth. Rinse frequently with clean water. Remove excess product while still fresh by using the trowel diagonally across the joints.

Finishing

within 5-10 min. from application, varying according to the environmental conditions and the absorption of the materials, remove the residue of **Flexcolor Easy Grout** with the slightly damp MAPEI hard cellulose sponge, with a diagonal movement with respect to the joints. The day after application (with reference to the conditions of +23°C and 50% R.H.), possible traces can be removed with **UltraCare Kerapoxy Cleaner**.

SET TO LIGHT FOOT TRAFFIC

The floors are set to light foot traffic after approximately 24 – 48 hours according to the temperature and environmental conditions.

READY FOR USE

Surfaces grouted with **Flexcolor Easy Grout** are ready for use after approximately 7 days.

COLOURS

Flexcolor Easy Grout is available in 120 (black), 112 (medium grey), 130 (jasmine), 114 (anthracite), 134 (silk), 146 (rich brown), 103 (Moon White), 110 (Manhattan 2000), 113 (cement grey), 132 (beige 2000), 111 (silver grey), 100 (white), 282 (Bardiglio grey).

Flexcolor Easy Grout		
100	WHITE	
103	MOON WHITE	
111	SILVER GREY	
112	MEDIUM GREY	
113	CEMENT GREY	
114	ANTHRACITE	
110	MANHATTAN 2000	

130	JASMINE	
132	BEIGE 2000	
134	SILK	
146	RICH BROWN	
120	BLACK	
282	BARDIGLIO GREY	

CLEANING

The day after applying the product (at +23°C and 50% R.H.) any marks remaining on the surface may be removed with **UltraCare Kerapoxy Cleaner**.
The effectiveness of **Ultracare Kerapoxy Cleaner** depends on the amount of residual resin and how much time has passed since application.
Apply the pure product over the surface and, after a few minutes, rub the surface with a white, felt-backed Scotch-Brite® pad, wipe the surface with a damp sponge and then dry the surface with a dry cloth.
Do not leave the cleaning solution in contact with the grout for more than 5 minutes.
Once all cleaning operations have been completed, surfaces may be opened to foot traffic after 24 hours.

CONSUMPTION

The consumption rate for **Flexcolor Easy Grout** depends on the size of the joints.

PACKAGING

Flexcolor Easy Grout is available in 5 kg plastic containers.

STORAGE

The product must be stored in its original container in a dry area at a temperature of +5°C to +30°C.
Maximum 24 months in its sealed container.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Instructions for the safe use of our products can be found on the latest version of the Safety Data Sheet, available from our website www.mapei.com.
PRODUCT FOR PROFESSIONAL USE.

TECHNICAL DATA (typical values)

PRODUCT IDENTITY	
Consistency:	coloured paste
Density (g/cm³):	1.6
pH:	9

APPLICATION DATA (at +23°C and 50% R.H.)	
Application temperature:	from +15°C to +30°C
Application of grout after installing tiles:	
– wall tiles bonded with normal adhesive:	4-8 hours

– wall tiles bonded with rapid adhesive:	1-2 hours
– wall tiles bonded with mortar:	2-3 days
– floor tiles bonded with normal adhesive:	24 hours
floor tiles bonded with rapid adhesive:	3-4 hours
– floor tiles bonded with mortar:	7-10 days
Waiting time before finishing operations:	5-10 minutes
Set to light foot traffic:	24-48 hours
Ready for use:	7 days
Width of joints:	2 to 10 mm

FINAL PERFORMANCE	
Resistance to moisture:	good
Resistance to ageing:	good
Resistance to solvents, oils, alkalis and acids:	see relative table
In service temperature:	from -15°C to +80°C
IMO certification:	Surface materials and floor coverings with low flame-spread characteristics

CHEMICAL RESISTANCE TABLE

Group	Name	Conc.%	30'	24 h	48 h
ACIDS	Acetic acid	10	ER	ER	ER
	Hydrochloric acid	10	ER	ER	ER
	Phosphoric acid	10	ER	ER	ER
	Lactic acid	10	ER	ER	ER
	Oleic acid	Pure	ER	PR	PR
	Citric acid	10	ER	ER	ER
ALKALIS	Ammonia	10	ER	ER	ER
	Caustic soda	10	ER	GR	PR
	Sodium hypochlorite	10	ER	ER	ER
OILS	Olive oil	Pure	ER	ER	ER
	Lubricating oil	Pure	ER	ER	ER
SOLVENTS	Ethanol	Pure	PR	PR	PR
	Hydrogen peroxide	Pure	ER	ER	ER
	Acetone	Pure	PR	PR	PR
	Ethylene glycol	Pure	ER	GR	GR

ER Excellent Resistance - GR Good Resistance - PR Poor Resistance

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.
Please refer to the current version of the Technical Data Sheet, available from our website www.mapei.com

LEGAL NOTICE

The contents of this Technical Data Sheet ("TDS") may be copied into another project-related document, but the resulting document shall not supplement or replace requirements per the TDS in force at the time of the MAPEI product installation.
The most up-to-date TDS can be downloaded from our website www.mapei.com.
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