

FUGOCOLOR MAXI

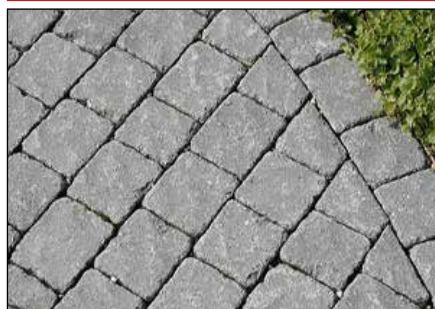
ONE-COMPONENT CEMENT GROUT WITH HIGH MECHANICAL RESISTANCE AND RESISTANCE TO DISINTEGRATING SALTS FOR FILLING JOINTS IN STONE AND TILED FLOORS (FOR 5 TO 25 MM JOINTS)

GRANTS *LEED* CREDITS

CHARACTERISTICS		ENVIRONMENTAL		METHOD OF USE		PRECAUTIONS
MONOCOMPONENTE	BASE ACQUA	ECO GREEN	RICICLABILE	MESCOLARE MECCANICAMENTE	APPLICAZIONE CON SPATOLA IN GOMMA	STOCCARE IN LUOGO ASCIUTTO

PROBLEM

FILLING FLOORS MADE OF CUBES AND BLOCKS WITH HIGH-RESISTANCE MORTAR IN EXPOSURE CLASSES XF3 AND XF4 ACCORDING TO UNI EN 206-1



SOLUTION

FUGOCOLOR MAXI is a pre-mixed powder mortar based on high-resistance cement, selected aggregates in granulometric curve up to 2 mm and special additives.

The special composition produces a semi-fluid mortar that is easy to apply and has high final resistance (C >50), for exposure classes to frost-thaw cycles and thawing salts according to UNI EN 206-1 class XF4.



APPLICATION FIELDS

FUGOCOLOR MAXI is used for filling floors made of cubes, blocks, cobbles, slabs etc., in stone material, for building squares, pavements, car parks and roads with high vehicle traffic.

ADVANTAGES

- Quick mechanical resistance development time.
- No shrinkage.
- Quick application.
- Excellent resistance to salts and frost-thaw cycles.

METHOD OF USE

Wet the floor before application without causing water stagnation.

Mix with water only in the proportion of about 3.5/4 litres per sack according to the desired consistency. The mortar can be mixed in a cement mixer, a screw mixer or for small amounts with a drill.

Apply the mix within 30/40 minutes of mixing with water (according to the temperature), taking care to fill the gaps between the stones well, using appropriate squeegees made of hard rubber to help.

COVERAGE

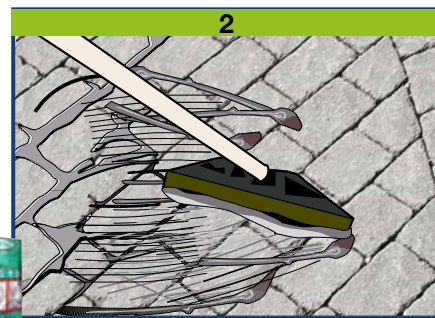
$$\frac{(A + B)}{(A \times B)} \times C \times D \times 17 = \text{coverage (kg/m}^2\text{)}$$

A = Length of tile (mm)
 B = Width of tile (mm)
 C = Thickness of tile (mm)
 A = Width of joint (mm)

• PRECAUTIONS

- Too much water in the mix can reduce mechanical resistance, increase shrinkage and cause whitish bloom of insoluble calcium carbonate, as well as colour variations.
- Do not use at temperatures below +5°C
- For outdoor applications at high temperatures, avoid rapid drying.
- Clean the tools with water immediately after use.
- Store in a dry place.

View the application video on your smartphone



TECHNICAL CHARACTERISTICS

		Standard	FUGOCOLOR MAXI		
Appearance			Powder		
Colour			Pearl grey	Grey	Anthracite
Apparent density	EN 1015-6		1.70 ± 0.10 kg/L		
Granulometry			0-2 mm		
Mixing water			16% ± 1%		
Storage in original packaging in a dry place			24 months		
Workability characteristics					
Density of the mix			2.00 ± 0.10 kg/L		
Application temperature			+5°C ÷ +35°C		
Duration of workable mix (*)			1 hour		
Waiting time - before foot traffic (initial hardening) (*)			12 ÷ 24 hours		
Waiting time - before road can be used (*)			7 days		
Waiting time - for complete hardening (*)			28 days		
Minimum application thickness			1 cm		
Maximum application thickness			8 cm		
Performance characteristics		Standard	Product performance		
Class and type	EN 13888		CT-C60-F9		
Class and type	UNI-EN 206-1		XF4		
			Resistant to frost and to disintegrating salts		
Compressive strength - after 28 days	EN 13892-2		≥60 N/mm ²		
Bending strength - after 28 days	EN 13892-2		≥9.0 N/mm ²		
Resistance to abrasion	EN 13892-3		A3 - 3 cm ³ /50 cm ²		
Thermal conductivity λ _{10,dry}	EN 12808-4		1.32 W/mK (printout value)		
Thermal resistance - Operating temperature			-30°C ÷ +90°C		
Euroclass reaction to fire	EN 13501-1		A1		

Test conditions: temperature 23±2°C, R.H. 50±5% and air speed in the test area <0.2 m/s. These figures may vary depending on the specific conditions of the worksite: temperature, humidity, ventilation, absorbcency of the base coat.

(*) The stated times may be longer or shorter as the temperature decreases or increases.

Compliant with the general principles defined in **EN 13813** - Principles for evaluation of the use of products and systems.

REFERENCES

2014 - Stone paving (UD)



2017 - Survey



2013 - Stone paving (RE)



2017 - Survey



2017 - Roundabout in stone cubes (VR)



PACKAGING

25-kg Sack

• FOR ANY FURTHER INFORMATION OR ADVICE ON PARTICULAR APPLICATIONS, CONTACT OUR TECHNICAL OFFICE • IN ORDER TO CORRECTLY USE OUR PRODUCTS, REFER TO INDEX TECHNICAL SPECIFICATIONS •

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Construction Systems and Products

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