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# FUGOCOLOR 0-4 FUGOCOLOR 2-12 FUGOCOLOR 4-15

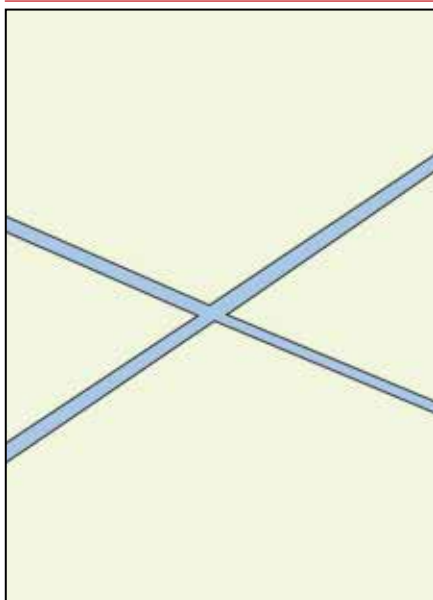
ONE-COMPONENT CEMENT GROUT FOR GROUTING TILES

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

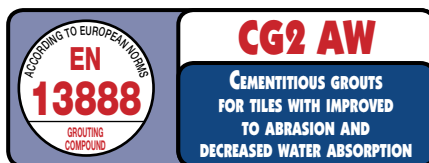
## PROBLEM

### GROUTING JOINTS



## SOLUTION

**FUGOCOLOR** is a grout in powder form containing cement, selected aggregates, synthetic powder resins and special additives which improve its workability and adhesion. **FUGOCOLOR** is supplied in a wide range of colours and particle sizes to satisfy all aesthetic requirements.

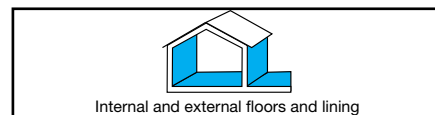


## ADVANTAGES

- Excellent adhesion on various types of substrates.
- Excellent humidity resistance
- **FUGOCOLOR** is supplied in a wide range of colours to satisfy all aesthetic requirements.
- **FUGOCOLOR** has controlled shrinkage to avoid cracks.

## APPLICATION FIELDS

**FUGOCOLOR** is suitable for sealing joints **indoors or outdoors, on floors or walls.** Ultra high strength joints can be made with **FUGOCOLOR** without any cracking problems. **FUGOCOLOR 0-4**, with fine particle size, is used for joints up to 4 mm in size. **FUGOCOLOR 2-12** with medium particle size, is used for joints from 2 to 12 mm in size. **FUGOCOLOR 4-15** with large particle size, is used for joints from 4 to 15 mm in size.



## METHOD OF USE

Slightly dampen the joints between the tiles before spreading **FUGOCOLOR**, but without allowing any excess water. Mix **FUGOCOLOR** with clean water, slowly pouring the powder until a uniform paste is obtained. We recommend using a mechanical stirrer on low speed (1).

The clean water ratio for the mix is:

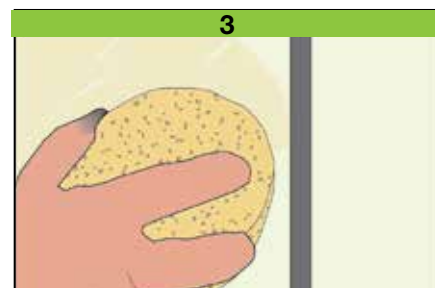
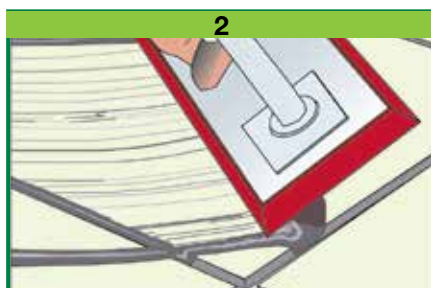
- for **FUGOCOLOR 0-4** approximately 30%

(7.5 litres/bag).

- for **FUGOCOLOR 2-12** approximately 24% (6 litres/bag).
- for **FUGOCOLOR 4-15** and **FUGOCOLOR MAXI** approximately 18% (4.5 litres/bag)

Work the mix into the joints, compressing it with a hard rubber spatula (2). When the paste starts to become opaque, begin cleaning the surface, using a rotating machine with abrasive felt pads, e.g. Scotch Brite, or more simply a damp sponge (3).

(See following)



(See previous)

Be very careful in selecting the right time for the cleaning operation: do not do it too soon, while the mix is still wet, or on the other hand, too late, when the mix has hardened.

If cleaning is difficult, use EXTRACLEAN, an acid cleaner for ceramic tiles, waiting at least 10 days after applying FUGOCOLOR.

<b>CONSUMPTION</b>	
in kg/m <sup>2</sup> per 1 mm of joint	
TILE FORMAT (cm)	COVERAGE (kg/m <sup>2</sup> )
2x2 (*)	0,64
5x5 (*)	0,26
10x10	0,32
10x20	0,24
12x24	0,20
15x15	0,21
20x20	0,16
20x30	0,13
30x30	0,10
40x40	0,08
50x50	0,07

Indicative coverage for tiles with a thickness of 1 cm  
(\*) Tiles with a thickness of 4 mm

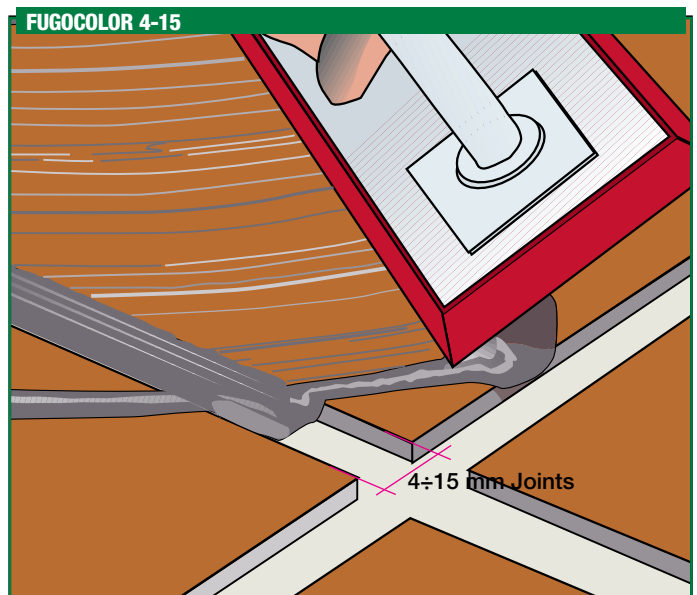
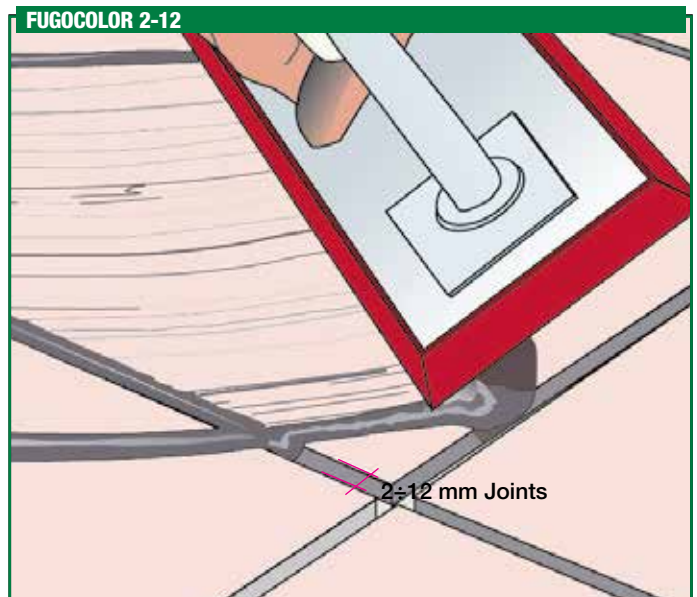
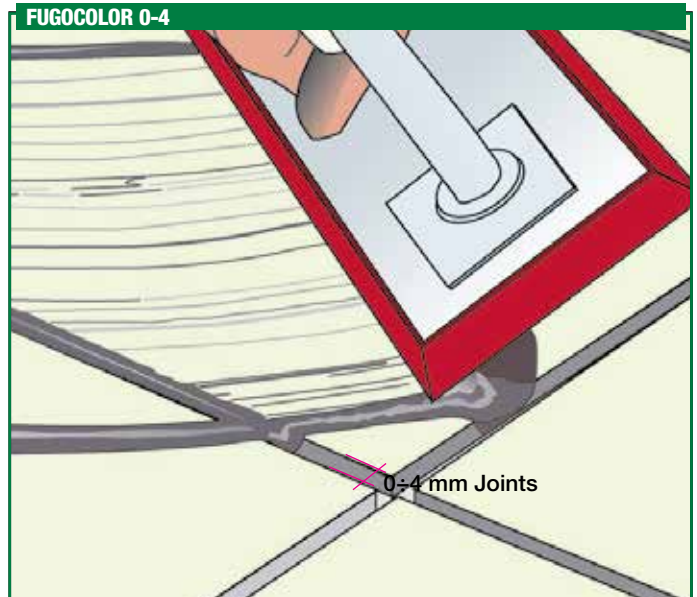
Coverage is indicative only for certain formats of tile.  
The exact formula for calculating the coverage for any format is shown below.

$$\frac{(A + B)}{(A \times B)} \times C \times D \times 1.6 = \text{coverage (kg/m}^2\text{)}$$

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

#### • PRECAUTIONS

- Too much water in the mix can reduce mechanical resistance, increase shrinkage and cause whitish efflorescence of insoluble calcium carbonate, as well as colour variations. Using FUGOFLUID in the mix can substantially reduce the possibility of this mistake.
- Do not apply at temperatures below +5°C.
- In case of outdoor application in high temperatures, avoid rapid drying of the filler.
- Clean the tools with water straight after use.
- Tiling applied on elastic substrates such as timber, insulating panels, etc. must be grouted with FUGOCOLOR mixed to a paste with FUGOSEAL.
- Protect Tuscan cotto with a film of wax before grouting.
- For tiles with polished surfaces or microporous enamels, do a preliminary test on a small portion to check whether it is cleanable.
- For very thick tiles, use a grout with the correct proportions considering the depth of the joint. Using FUGOFLUID makes application easier.
- Store in a dry place.



## TABLE OF AVAILABLE COLOURS






### FUGOCOLOR 0-4

• White - <i>White</i>		• Beige	
• Silver		• Light beige	
• Pearl grey		• Nut brown	
• Manhattan		• Dark brown	
• Grey		• Ivory yellow	
• Anthracite		• Pink	
• Black		• Sky blue	
• Jasmine		• Azalea	
• Bahama Beige		• Olive green	
		• Light blue	

### FUGOCOLOR 2-12

• White		• Jasmine	
• Pearl grey		• Beige	
• Grey		• Manhattan	
• Anthracite		• Nut brown	
• Dark brown		• Terracotta	
• Black			

### FUGOCOLOR 4-15

• White	
• Pearl grey	
• Grey	
• Anthracite	
• Black	

## TECHNICAL CHARACTERISTICS

	Standard	FUGOFLEX 0-4		FUGOFLEX 2-12
Appearance		Powder	Powder	Powder
Colour		See table	See table	See table
Apparent density	<b>EN 1015-6</b>	1.40 ± 0.10 kg/L	1.40 ± 0.10 kg/L	1.40 ± 0.10 kg/L
Water mix ratio		30% ± 1%	24% ± 1%	18% ± 1%
Shelf life in original packaging (dry stored)		24 months	24 months	24 months
<b>Mix characteristics and workability</b>				
Density of mix		1.90 ± 0.10 kg/L	1.90 ± 0.10 kg/L	1.90 ± 0.10 kg/L
Application temperature		+5°C ÷ +35°C	+5°C ÷ +35°C	+5°C ÷ +35°C
Pot life (*)		>1 hour	>1 hour	>1 hour
Waiting time - for grouting joints after laying on floor with glue (*)		24 hours	24 hours	24 hours
Waiting time - for grouting joints after laying on floor with mortar (*)		10 days	10 days	10 days
Waiting time - for grouting joints after laying on wall with glue (*)		8 hours	8 hours	8 hours
Waiting time - for grouting joints after laying on wall with mortar (*)		3 days	3 days	3 days
Waiting time - before foot traffic use (initial hardening) (*)		24 hours	24 hours	24 hours
Waiting time - final hardening (*)		14 days	14 days	14 days
Minimum application thickness		1 mm	2 mm	2 mm
Maximum application thickness		4 mm	12 mm	12 mm
<b>Performance characteristics</b>				
	Standard	Product performance	Product performance	Product performance
<b>Class and type</b>	<b>EN 13888</b>	<b>CG2AW</b>	<b>CG2AW</b>	<b>CG2AW</b>
Compression strength - after 28 days	<b>EN 12808-3</b>	≥15 N/mm <sup>2</sup>	≥15 N/mm <sup>2</sup>	≥15 N/mm <sup>2</sup>
Compression strength - after thaw-frost cycles	<b>EN 12808-3</b>	≥15 N/mm <sup>2</sup>	≥15 N/mm <sup>2</sup>	≥15 N/mm <sup>2</sup>
Bending strength - after 28 days	<b>EN 12808-3</b>	≥2.5 N/mm <sup>2</sup>	≥2.5 N/mm <sup>2</sup>	≥2.5 N/mm <sup>2</sup>
Bending strength - after thaw-frost cycles	<b>EN 12808-3</b>	≥2.5 N/mm <sup>2</sup>	≥2.5 N/mm <sup>2</sup>	≥2.5 N/mm <sup>2</sup>
Resistance to abrasion	<b>EN 12808-2</b>	≤1 000 mm <sup>3</sup>	≤1 000 mm <sup>3</sup>	≤1 000 mm <sup>3</sup>
Linear shrinkage	<b>EN 12808-4</b>	≤3 mm/m	≤3 mm/m	≤3 mm/m
Reduced water absorption - after 30 minutes	<b>EN 12808-5</b>	≤2 g	≤2 g	≤2 g
Reduced water absorption - after 240 minutes	<b>EN 12808-5</b>	≤5 g	≤5 g	≤5 g
Thermal resistance - Operating temperature		-30°C ÷ +90°C	-30°C ÷ +90°C	-30°C ÷ +90°C

Test conditions: temperature 23±2°C, 50±5% U.R. and speed in the air in the testing area <0,2 m/s. **These data may change depending on specific site conditions: temperature, ventilation, moisture and substrate absorbency.**

(\*) The times indicated will be longer or shorter as the temperature drops or rises.

According to the european norm **EN 13888** - General principles for the use of products and systems.

the numerous possible uses and the possible interference of conditions or elements beyond our control, we assume no responsibility regarding the results which are obtained. The purchasers, of their own accord and under their own responsibility, must establish the suitability of the product for the envisaged use.

The figures shown are average indicative figures relevant to current production and may be changed or updated by INDEX at any time without previous warning. The advice and technical information provided, is what results from our best knowledge regarding the properties and the use of the product. Considering

## PACKAGING

### FUGOCOLOR 0-4

5-kg Bag in boxes of 5 bags

### FUGOCOLOR 2-12

25-kg Sacks

5-kg Bag in boxes of 5 bags

### FUGOCOLOR 4-15

25-kg Sack

5-kg Buckets

• 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 •

<p><b>index</b> Construction Systems and Products</p> <p>Via G. Rossini, 22 - 37060 Castel D'Azzano (VR) - Italy - C.P.67 T. +39 045 8546201 - F. +39 045 518390</p>	<p>Internet: <a href="http://www.index-spa.com">www.index-spa.com</a> Informazioni Tecniche Commerciali <a href="mailto:tecom@indexspa.it">tecom@indexspa.it</a> Amministrazione e Segreteria <a href="mailto:index@indexspa.it">index@indexspa.it</a> Index Export Dept. <a href="mailto:index.export@indexspa.it">index.export@indexspa.it</a></p>		<p>TOTAL QUALITY <b>index</b> UNI EN ISO <b>9001</b></p>	<p>Environmental Management Systems <b>index</b> UNI EN ISO <b>14001</b></p>	<p><b>index</b> "GBC Italia" Associated</p>	<p><b>lavorosicuro</b></p>
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