

INSEE TileGrout GUARD

High durability tile grout for prevention black mold, gaps size 1-7mm (CG2WA)

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is a high durability tile grout for gaps size 1-7mm with an excellence abrasion resistant, prevention black mold compliance CG2WA, suitable use for bathrooms, kitchens and wet areas that are subjected to dirt or areas that require intensive cleaning.

Advantages

- High quality complied ISO CG2 prevention black mold and anti-bacteria by biocide
- UV resistant and colour stable
- Abrasion & Chemical Resistant
- No VOCs
- Hydrophobic Technology reducing dirt and stains
- Good adhesion with selective polymer
- Smooth surface finished and Anti-Cracks
- ISO 13007-3 CG2WA, ISO 13007-4, EN13888-CG2WA, ANSI A118.6, ANSI A118.7

Applications

For grouting of all tiles, both walls and flooring for outdoors and indoors, grout for gaps of 1-7mm, can be used in dry or wet areas, bathrooms.

Mixing Ratio

1 KG of TileGrout (1 bag) per 0.35 liters water or TileGrout 2.6 parts per 1 part water

Surface preparation

Clean the gaps between tiles free from dust, any water or material blocking the gaps. After tile installations, TileGrout can be applied 24-48 hours, depending on jobsite conditions.

Mixing

Slowly add TileGrout into water as recommended mixing ratio, mixing for 2-3 minutes until consistent and lumps free. allow for 5 minutes for chemical react. Do not add additional water and use within 45-60 min.

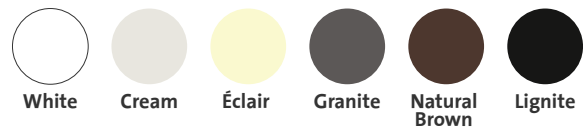
Instructions

1. Apply on gaps of the tiles. Use rubber trowel press to fill the gaps ensure their full, remove excess grout.
2. Leave for surface drying, use damp sponge clean, allow for dry out 2 hours.
3. Clean again by clean & damp cloth.
4. Protect the area from dust. Allow to set 24 hours before subjecting traffic.

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Available in 6 colours



Remark : Colour may different from job site

Packaging

1 kg/pack, 20 packs/carton.

Storage & Shelf life

Keep stored free from frost, moisture and direct sunlight. Unopened bag, original packaging can be used for 1 year from manufacturing date.

Cautions

- Wear protective equipment when applying. In case of allergies, clean with soap and water immediately. If symptoms persist, consult a doctor.
- In case of eye contact, flush with clean water several times and seek medical help.
- Do not eat, keep out of the reach of children.
- Do not use with the area frequently exposed to acids.

Recommendations

- Read instructions and apply strictly for efficient result.
- Mixing temperature and application should be between 20-35 degrees Celsius.

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Coverage rate: 1 bag of TileGrout can be cover areas by table below

Tile Size		Depth (mm)	Coverage Rate (m ²)	Width (mm)						
(cm x cm)	(inch x inch)			1	2	3	4	5	6	7
10x10	4x4	5	5.0	2.5	1.7	1.3	1.0	0.8	0.7	
20x20	8x8	5	10.0	5.0	3.3	2.5	2.0	1.7	1.4	
30x30	12x12	5	15.0	7.5	5.0	3.8	3.0	2.5	2.1	
30x60	12x24	8	12.5	6.3	4.2	3.1	2.5	2.1	1.8	
40x40	16x16	8	12.5	6.3	4.2	3.1	2.5	2.1	1.8	
60x60	24x24	8	18.8	9.4	6.3	4.7	3.8	3.1	2.7	

Result is based on calculation, It may be different from job site.

Use Information

Use Information	
Bulks Density	1.1 gm/cm ³
Gap Width	1-7 mm
Slake Time	5 min
Pot Life (In Shade @ 25°C)	45-60 min
Grouting Time after Tile Adhesive Cured	24-48 hours
Curing Time before Traffic	24 hours

Information above is on control room checks, maybe different resulted can be occur depending on ambient temperature and other factors e.g. installation, etc.

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Technical Properties

Standard ISO 13007-4	ISO 13007-3 CG1, CG2	Results
Flexural Strength at 28 days	$\geq 2.5 \text{ N/mm}^2$	$\geq 2.5 \text{ N/mm}^2$
Compressive Strength at 28 days	$\geq 15 \text{ N/mm}^2$	$\geq 15 \text{ N/mm}^2$
Linear Shrinkage at 27 days	$< 3 \text{ mm/m}$	$< 3 \text{ mm/m}$
Water absorption after		
30 min	$< 2 \text{ gm}$	$< 2 \text{ gm}$
240 min	$< 5 \text{ gm}$	$< 5 \text{ gm}$
Abrasion resistance	$< 1000 \text{ mm}^3$	$< 1000 \text{ mm}^3$
Standard ANSI A118.6, A118.7	ANSI A118.6, A118.7 (Unsanded Grout)	Results
Linear Shrinkage at 27 days	$< 0.30\%$	$< 0.30\%$
Water absorption (50% R.H. to immersion)	$< 5\%$	$< 5\%$
Compressive Strength at		
1 day	$> 500 \text{ psi}$ (3.4 N/mm^2)	$> 500 \text{ psi}$ (3.4 N/mm^2)
28 days	$> 3000 \text{ psi}$ (20.7 N/mm^2)	$> 3000 \text{ psi}$ (20.7 N/mm^2)
Tensile Strength at 28 days	$> 500 \text{ psi}$ (3.4 N/mm^2)	$> 500 \text{ psi}$ (3.4 N/mm^2)
Flexural Strength at 28 days	$> 1000 \text{ psi}$ (6.8 N/mm^2)	$> 1000 \text{ psi}$ (6.8 N/mm^2)