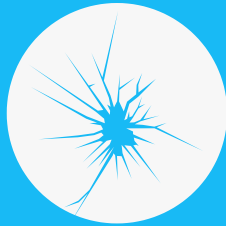




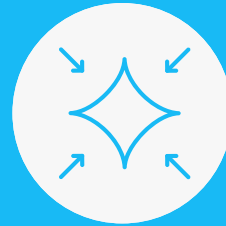
SAFFROKOL™

TILE GROUT-350

Technical Data Sheet



Crack Resistant



No Shrinkage



High compressive strength



Consistent color



Low VOC (ecofriendly)



Easy to use

PRODUCT DESCRIPTION

This extra-fine mineral grout is perfect for joints up to 3mm wide, working with ceramic and porcelain tiles, terracotta, marble, natural stone, and mosaics. Designed for both indoor and outdoor use, it's a great choice for residential, commercial, industrial spaces, and even swimming pools.

BENEFITS

- Strong resistance to chemicals and efflorescence
- Eco-friendly with zero VOC emissions
- High compressive strength
- Easy application
- Crack and shrink resistant
- Consistent color

SUITABLE FOR

- Vitrified & Ceramic tiles
- Granite & Marble
- Terrazzo
- Engineered stones
- Glass mosaics
- Porcelain tiles

APPLICATION AREAS

- Educational institutions
- Commercial spaces
- General flooring and wall applications
- Healthcare facilities
- Shopping malls

TECHNICAL DETAILS

Conforms To IS 17190:2020 RG2i; EN 13888 RG; ISO 13007

PHYSICAL PROPERTIES @ 27+1°C

Parameter	Results
Appearance	Pigmented Freeflow Powder
Mixing Ratio (Part A Part B)	3:1 (Water)
Bulk Density	1300 Kg/mm ³
Mixed Density	1600±50 Kg/mm ³
Pot life	45 minutes
Sag Resistant	24 Hours
Light Foot Traffic	≥3 Hours

PERFORMANCE PROPERTIES

ISO 13007/ EN 13888

Parameter	Requirements	Results	Test Methods
Abrasion resistance	≤ 2000 mm ³	1350 - 1700 mm ³	ISO 13007-4: Clause 4.4; EN 12808-2
Flexural strength under freeze and thaw cycles	≥ 2.5 N/mm ²	3.5-3.9 N/mm ²	ISO 13007-4: Clause 4.1.5; EN 12808-3
Flexural strength under freeze and thaw cycles	≥ 2.5 N/mm ²	3.5-3.9 N/mm ²	ISO 13007-4: Clause 4.1.5; EN 12808-3
Compressive Strength under standard conditions	≥ 15 N/mm ²	21-22 N/mm ²	ISO 13007-4: Clause 4.1.4; EN 12808-4
Compressive Strength under freeze & thaw cycles	≥ 15 N/mm ²	20-22 N/mm ²	ISO 13007-4: Clause 4.1.4; EN 12808-4
Shrinkage	<3 mm/m	1.9-2.3 mm/m	ISO 13007-4: Clause 4.3; EN 12808-4
Water Absorption after 30 Minutes	≤5.0 g	2.5-3.0 g	ISO 13007-4: Clause 4.2; EN 12808-5
Water Absorption after 240 Minutes	≤ 10 g	4.0-8.0 g	ISO 13007-4: Clause 4.2; EN 12808-5

Tile Grout-350 conforms to EN 13888

COVERAGE CHART

Tile Dimension (mm)			Theoretical Coverage in Kg/m						
Length	Width	Thickness	Width of joint (mm)						
			2	3	4	5	6	8	10
25	25	6	1.536	2.304	3.072	3.840	4.608	6.144	7.680
25	50	6	1.152	1.728	2.304	2.880	3.456	4.608	5.760
50	50	6	0.768	1.152	1.536	1.920	2.304	3.072	3.840
100	100	6	0.384	0.576	0.768	0.936	1.152	1.536	1.920
100	100	10	0.640	0.960	1.280	1.600	1.920	2.560	3.200
300	200	6	0.160	0.240	0.320	0.400	0.480	0.640	0.800
300	300	6	0.128	0.192	0.256	0.320	0.384	0.512	0.640
450	300	6	0.107	0.160	0.213	0.267	0.320	0.427	0.533
600	300	6	0.096	0.144	0.192	0.240	0.288	0.384	0.480
600	600	8	0.085	0.128	0.171	0.213	0.256	0.341	0.427
800	800	8	0.064	0.096	0.128	0.160	0.192	0.256	0.320
1000	1000	10	0.064	0.096	0.128	0.160	0.192	0.256	0.320
1200	600	10	0.080	0.120	0.160	0.200	0.240	0.320	0.400
1200	800	10	0.067	0.100	0.133	0.167	0.200	0.267	0.333
1200	1200	12	0.064	0.096	0.128	0.160	0.192	0.256	0.320
1600	800	12	0.072	0.108	0.144	0.180	0.216	0.288	0.360
1800	1200	12	0.053	0.080	0.107	0.133	0.160	0.213	0.267

INSTALLATION GUIDE

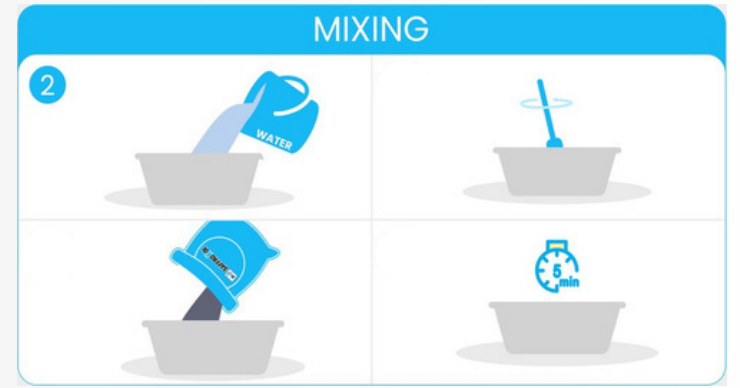
1. Prepare the Surface

Before starting, check that the tiles are properly installed, fully cured, and protected. Clean off any dust, dirt, or debris from the floor and grout lines, as contaminants can affect adhesion and the final finish. Also, remove any excess adhesive from the joints.



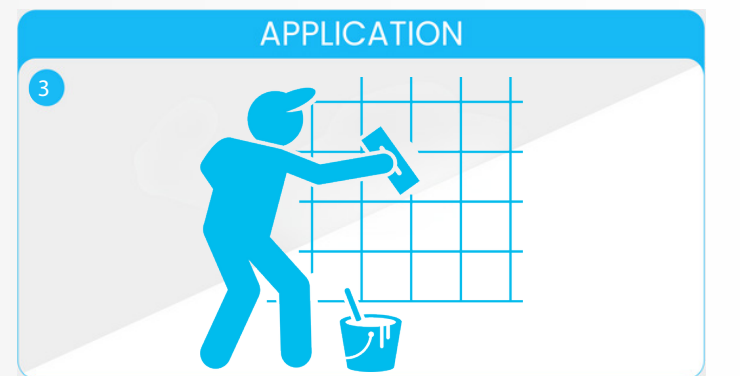
2. Mix the Grout

Combine the grout with water or GROUTPRO MIX (recommended for outdoor applications for better bonding and flexibility). Stir until you get a smooth mixture. The grout should be thick enough to stay in place but easy to spread.



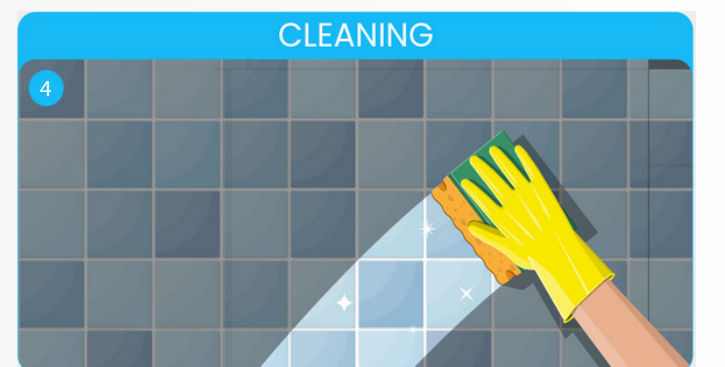
3. Apply the Grout

Use a grout float to spread the grout onto the tile surface. Hold the float at a 45-degree angle, pressing the grout firmly into the joints to check they're filled. Work in small sections to prevent it from drying too quickly. Once applied, use the float at a 90-degree angle to wipe off any excess grout diagonally across the tiles.



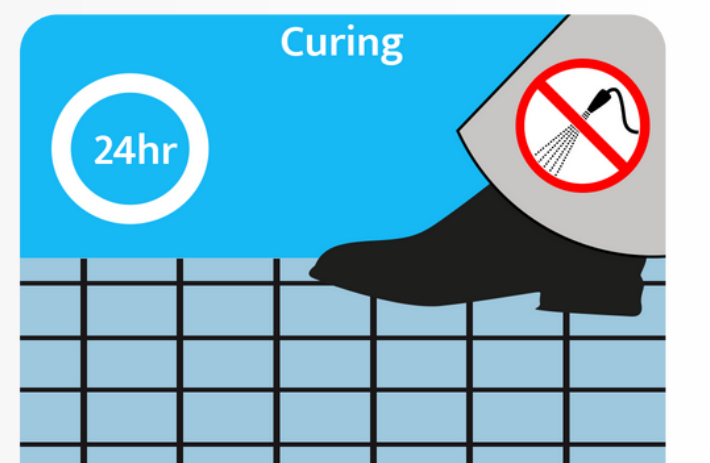
4. Clean the Tiles

Let the grout set for 10 - 15 minutes (time may vary depending on conditions). Dampen a grout sponge with clean water, squeeze out excess moisture, and gently wipe the tile surface to remove grout haze. Rinse the sponge frequently and change the water as needed.



5. Let it Cure

The grout will harden in about 24 hours. Keep the area dry and avoid foot traffic or disturbances during this time to ensure a strong and lasting finish.



COLOUR

Choose from a range of 15 colours of Tilegrout - 350

For choosing the right colour refer to SAFFROKOL shade card



SCAN FOR
SHADE CARD

COVERAGE

For interactive calculator

Scan QR CODE



LIMITATIONS

- Grout is not a substitute for a waterproofing membrane. If waterproofing is needed, use a suitable product, such as our waterproofing solutions.
- Not recommended for soft, polished marble or delicate glazed tiles.

SHELF LIFE

The tile grout has a shelf life of 12 months when kept in a cool, dry place. However, since factors like temperature, humidity, and site conditions can vary, this timeframe should be considered a general guideline.

SAFETY PRECAUTIONS

- Keep away from children.
- Wear appropriate protective clothing, gloves, and eye/face protection while handling.
- If grout comes into contact with skin, wash thoroughly with clean water.
- In case of eye contact, rinse immediately with plenty of water and seek medical attention.
- For professional use only.

KEY NOTES

- The grouted surface reaches its maximum stain resistance 10 days after installation. During this time, protect it from acids and strong cleaners.
- Avoid using grout in areas with heavy machinery, vehicle traffic, or high foot traffic.
- When cleaning, frequently change the water, cloth, or sponge to prevent grout buildup.
- For shower and pool areas, wait at least 7 days after grouting before exposing the surface to water.
- The tiles or stones should be compatible with the grout mixture. Always refer to the application guidelines from the tile/stone manufacturer and conduct a small test patch before grouting the entire area.
- Follow all safety standards and national regulations.
- Use grout only when the temperature is between +5°C and +30°C.
- For any further assistance, call




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