

204 Cementitious Tile Grout

- ✓ For internal and external floor & wall
- ✓ Available in different colours
- ✓ Non-Shrinkage
- ✓ Non-Toxic, non-dusting
- ✓ Low VOC
- ✓ Weather resistant



TECHNICAL DATA SHEET

Available in :
1 Kg Pouch with Zipper lock

Product Description

TILEOX™ 204 Cementitious Tile Grout is a high strength, polymer modified, and cement-based tile joint filler specially formulated for filling gaps and joints between tiles like ceramic mosaic, clay, vitrified tiles/stones etc in dry and wet areas. It gives water resistant, non-shrinking and non-dusting tile joints.

Application Areas

Material: All Types of ceramic, fully vitrified, porcelain tiles, natural stones, granite & glass tiles. Standard colors available according to your needs.

Area of application: Floors & walls of internal & external wet and dry areas. All institutional, Commercial, hospitals, malls & general floor/walls.

Application Properties

SPECIFICATIONS	RESULTS
Colour	Standard Colors Available
Form	Pigmented Freeflow Powder
Mixing Ratio	3:1 (Powder: Grout Admix/Water)
Mixed Density	1600 ± 50 kg/m ²
Joint Width	Up to 5mm
Curing Time	14 days
Trafficable Time	24 Hours
Regular Traffic	7 Days
Application Temperature	+100 C to +350 C
Open Time	30 ± 5 minutes
Pot Life	60 ± 5 minutes
Slip – Resistant	Non-Slip

* Properties measured at 70° F (21° C).

Performance Properties

As per EN 13888 / ISO 13007

Testing Properties	Requirement	Results
Compressive Strength (28 Days)	≥ 15 N/mm ²	20.00-22.00 N/mm ²
Flexural Strength (28 Days)	≥ 2.5 N/mm ²	3.50-3.90 N/mm ²
Linear Shrinkage (28 Days)	< 3 mm/m	1.80-2.30 mm/m
Water Absorption after 30 min.	<5 gm	2.50-3.00 gm
Water Absorption after 240 min.	<10 gm	4.00-8.00 gm

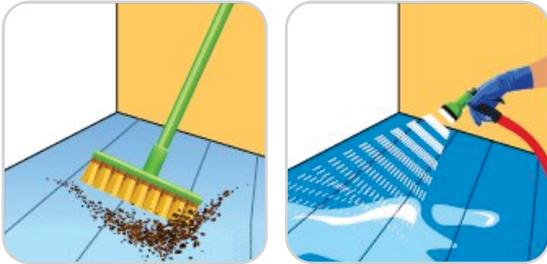
*Test results are indicative as per testing method specified in standard. Test results may vary as per substrate, site condition & testing machine tec. Actual field performance will depend on installation methods and site conditions.

Limitations & Precautions:

- Precaution should be taken to avoid staining when grouting is done with a colored grout.
- Apply the grout to fully dry joints and do not lay it on the moist or wet tile joints.
- Avoid mixing excess of water and do not over-mix, it can reduce its pot life.
- Do not use any acidic cleaners, as they can lead to change in colour and cracking.
- Use masking tape along the tile joints when working with unglazed or absorbent tiles and natural stones.
- Not recommended for industrial use where chemical exposure is high.
- Not recommended for soft, polished marble or delicate glazed tiles.
- While cleaning change water, cloth/ sponge frequently when they are impregnated with grout.

Method of Application

SURFACE PREPARATION



- Surface should be clean and free from all the dirt, oil, grease, concrete sealer or curing compounds.
- Remove all the unnecessary grouts/dirt between the joints using a grout saw or a rotary tool.
- Application should be done at least 24 hours post tile fixing or when the joints are completely dry.

MIXING

- Mix TILEOX™ 204 Tile Grout with water/ Grout Admix AD-24 in a 3:1 ratio in clean vessel.
- Either mix it manually or slow speed mixer for lump free paste and avoid over-mixing.
- Allow the mix to slake for 2-5 minutes and remix & Use the paste within 60 minutes from mixing.



APPLICATION

- Start filling the joints with **TILEOX™ 204 Tile Grout**, using a grout floater, press the grout firmly into the joints.
- Ensure that the joint is filled completely, and the grout is not sitting on the top.
- Further wait for 40-45 minutes, and clean off the surplus grout before the material is dried.
- Use sponge to remove grout residue.
- For stubborn grout stains, use **TILEOX Tile Cleaner**.



Safety Precautions:

- Avoid direct sunlight while applying TILEOX™ 204 Tile Grout, it may reduce the pot life and viscosity.
- Keep out of reach of children
- Wear suitable gloves and eye protection. In case of contact, wash it immediately with fresh water and seek medical advice.

Storage & Shelf Life

Store in cool and dry place, preferably away from direct sun light.

Shelf life is 12 months in its unopened, sealed and original packaging in a strictly dry and cool storage place.

CONSUMPTION OF EPOXY BASED TILE GROUT IN (kg/m²)

TILE DIMENSION (mm)			MIX DENSITY OF TILE GROUT -> 1.6 kg/litre							
L(mm)	B(mm)	T(mm)	JOINT SIZE - J (mm)							
			2mm	3mm	4mm	5mm	6mm	8mm	10mm	12mm
25	25	6	1.54	2.30	3.07	3.84	4.61	6.14	7.68	9.22
25	50	6	1.15	1.73	2.30	2.88	3.46	4.61	5.76	6.91
50	50	6	0.77	1.15	1.54	1.92	2.30	3.07	3.84	4.61
100	100	6	0.38	0.58	0.77	0.96	1.15	1.54	1.92	2.30
100	100	10	0.64	0.96	1.28	1.60	1.92	2.56	3.20	3.84
300	200	6	0.16	0.24	0.32	0.40	0.48	0.64	0.80	0.96
300	300	6	0.13	0.19	0.26	0.32	0.38	0.51	0.64	0.77
450	300	6	0.11	0.16	0.21	0.27	0.32	0.43	0.53	0.64
600	300	6	0.10	0.14	0.19	0.24	0.29	0.38	0.48	0.58
600	600	8	0.09	0.13	0.17	0.21	0.26	0.34	0.43	0.51
800	800	8	0.06	0.10	0.13	0.16	0.19	0.26	0.32	0.38
1000	1000	10	0.06	0.10	0.13	0.16	0.19	0.26	0.32	0.38
1200	600	10	0.08	0.12	0.16	0.20	0.24	0.32	0.40	0.48
1200	800	10	0.07	0.10	0.13	0.17	0.20	0.27	0.33	0.40
1200	1200	12	0.06	0.10	0.13	0.16	0.19	0.26	0.32	0.38
1600	800	12	0.07	0.11	0.14	0.18	0.22	0.29	0.36	0.43
1800	1200	12	0.05	0.08	0.11	0.13	0.16	0.21	0.27	0.32

The quantities shown are approximate and are given for estimating purposes only. Actual job site coverage may vary from site to site.

Note: It is always good practice when calculating coverage to allow for 10% additional, material for waste and spillage.

Coverage Calculation Formula

$$C = 1.6 \times H \times T \times [(L+W)/(L \times W)]$$

H = Tile Thickness (mm) L = Tile Length (mm)

C = Coverage (mm) W = Tile Width (mm)

T = Joint Width (mm)



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