

TILE ADHESIVE K TONE FILLER

POLYMER MODIFIED UNSANDED CEMENTITIOUS TILE JOINT FILLER

DESCRIPTION

Tile K Tone Filler is a polymer-modified, cement-based unsanded tile joint filler used to fill gaps between tiles. It effectively fills the gaps and provides water-resistant, dust-free tile joints. This grout is suitable for glazed, ceramic, porcelain, vitrified, and fully vitrified tiles, as well as natural stone.

USES

- To fill tile gaps in glazed, ceramic, porcelain, vitrified tiles and natural stones

APPLICATION AREAS

- Floor and walls
- Internal and external area
- Residential and commercial

PRODUCT FEATURES

- Colour fast
- Weather resistant
- Easey maintenance
- Non shrinking
- Non-cracking
- Easily to apply
- Easy to clean
- Available in different colours

PRODUCT INFORMATION

Chemical base	Portland cement, chemical additives and fillers
Packaging	0.5 Kg & 1 Kg
Shelf life	12 months from the date of manufacturing
Storage conditions	Product must be stored in original, unopened and undamaged sealed packaging in dry condition temperature between +5 °C to 35 °C
Appearance	Free flowing powder (available in multiple colours)
Standard compliance	ANSI A118.6-1999

*Tensile adhesion strength test after freeze thaw cycles not concluded due to tropical climatic condition.

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APPLICATION INFORMATION

Mixing ratio	Packing	Water: powder ratio by weight	Quantity of water per bag
	1 Kg	0.33-0.40	330-400 ML
	0.5 Kg	0.33-0.40	165-200 ML
Mixed density	1.7 – 1.9 Kg/L		
Ambient air temperature	+5 °C - +45 °C		
Substrate temperature	+5 °C - +45 °C		
Maturing time	~2-5 minutes		
Pot life	~60 minutes (100 gm powders at +27 °C)		
Joint width	Up to 3 mm		
Sag resistance	Non sag		
Applied product ready for use	Use	Waiting time	
	Light foot traffic	24 hours	
	Regular traffic	7 days	
	Final curing time	~28 days	

Values determined at the laboratory conditions: 23 °C ± 2 °C, R.H. 50 % ± 5 %, Higher temperatures will reduce the indicated waiting times, lower temperatures increase them.

TECHNICAL INFORMATION

Requirements as per ANSI A118.6-1999

TEST PARAMETERS	TEST METHODS	RESULTS
Compressive strength	ANSI A118.6-1999, H 4.5	20 N/mm ²
Linear shrinkage	ANSI A118.6-1999, H 4.3	<0.1%
Tensile strength	ANSI A118.6-1999, H 4.6	≥2 N/mm ²
Flexural strength	ANSI A118.6-1999, H 4.7	≥5 N/mm ²

*Values determined at the laboratory conditions: 23 °C ± 2 °C, R.H. 50 % ± 5 %, results may vary based on site conditions, contact Kansai Nerolac Paints technical team for assistance.

APPLICATION PROCESS

SUBSTRATE PREPARATION

- Ensure 24-hour time interval for grouting after tile fixing.
- Remove spacers and clean tile joints to make it free from dust, dirt, and debris using a wet sponge.
- Do not leave water standing in the joints.

- Put masking tape by the side of the grouting space or sealer if necessary.

MIXING

- Take recommended water into clean mixing pail and add Tile C Tone Filler, mix thoroughly by hand or with a slow speed mixer (<300 rpm).

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- Avoid air entraining by mixing at high speed or by over mixing.
- Make sure uniform colour and lump-free consistency is achieved.
- Allow the mix to slake for 2-5 minutes and remix.
- Use the paste within 60 minutes of mixing.

CLEANING AND FINISHING

- Clean off the surplus grout from tile joints and tiles within 30-45 minutes/ before the product dries.
- Initially use a rough textured sponge dampened with water to remove the grout residue.
- Tools and containers should be cleaned using clean water when the grout is still fresh.

APPLICATION

- Using a hard rubber squeeze/ grout floater, press the grout firmly into the joints.
- Hold the float at a 90° angle and pull it at a 45° angle diagonally across the joints and tile to avoid pulling out the material.
- Work in small areas to have better control on removing the excess grout from joints and surfaces by moving the squeeze diagonally to the grout lines.
- Ensure that the joint is filled, and grout is not just sitting on top.
- Use the damp sponge in a circular motion and keep it relative to the tile surface to achieve the flush joint & taking care not to drag grout from the joints.
- Clean off any light residue of tile grout left on the tile surface using an alkaline detergent/ Nerolac Perma Tile Multiclean without disturbing the joint finish.

LIMITATIONS

- Do not use where with the tile where tile joint is larger than 3 mm
- Do not use where chemical resistance is required
- Do not use acid to clean joints
- Tile adhesives and tile grouts are not a replacement for waterproofing membranes. Use Nerolac perma waterproofing membranes before tiling/grouting on wet area wherever required

PRECAUTIONS

- Do not apply on wet/damp tile joints, always apply on dry tile joints
- Protect from direct rainfall and foot traffic at least for 24 hours.
- Do not over-mix the material, it can reduce pot life.
- While cleaning change frequently the water. Change cleaning cloth/ sponge when they are stained with grout.
- In the case of grouting natural stones, it is necessary to execute a preliminary test, to verify the absorption of colour by the stone slabs. To avoid this problem, mask the tiles before grouting. A sealer or grout release may be required.

EHS INFORMATION

Avoid inhalation, eyes and skin contact. In case of contact wash with water and seek medical attention

For more details, please refer material safety data sheet.

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COVERAGE

TILE DIMENSION (MM)			JOINT/GROUTING WIDTH								
LENGTH	WIDTH	THICKNESS	2	3	4	5	6	8	10	12	
25	25	6	1.68	2.52	3.36	4.2	5.04	6.72	8.4	10.1	
25	50	6	1.26	1.89	2.52	3.15	3.78	5.04	6.3	7.56	
50	50	6	0.84	1.26	1.68	2.1	2.52	3.36	4.2	5.04	
100	100	6	0.42	0.63	0.84	1.05	1.26	1.68	2.1	2.52	
100	100	10	0.7	1.05	1.4	1.75	2.1	2.8	3.5	4.2	
300	200	6	0.18	0.26	0.35	0.44	0.53	0.7	0.88	1.05	
300	300	6	0.14	0.21	0.28	0.35	0.42	0.56	0.7	0.84	
450	300	6	0.12	0.18	0.23	0.29	0.35	0.47	0.58	0.7	
600	300	6	0.11	0.16	0.21	0.26	0.32	0.42	0.53	0.63	
600	600	8	0.09	0.14	0.19	0.23	0.28	0.37	0.47	0.56	
800	800	8	0.07	0.11	0.14	0.18	0.21	0.28	0.35	0.42	
1000	1000	10	0.07	0.11	0.14	0.18	0.21	0.28	0.35	0.42	
1200	600	10	0.09	0.13	0.18	0.22	0.26	0.35	0.44	0.52	
1200	800	10	0.07	0.11	0.15	0.18	0.22	0.29	0.36	0.44	
1200	1200	12	0.07	0.11	0.14	0.18	0.21	0.28	0.35	0.42	
1600	800	12	0.08	0.12	0.16	0.2	0.24	0.32	0.39	0.47	
1800	1200	12	0.06	0.09	0.12	0.15	0.18	0.23	0.29	0.35	

*Consumption table dependent on the size of the tiles and width of the joints (Kg/m³)

FORMULA FOR THE COVERAGE CALCULATION

$$C = 1.7 \times H \times T \times [(L+W) / (L+W)]$$

T – Width of tile joint, mm

C – Tile grout coverage (Kg/m³)

L – Length of tile, mm

H – Thickness of tile, mm

W – Width of tile, mm

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