

UltraTech

TILEFIXO

STYLE Epoxy Grout

UltraTech Tilefixo STYLE Epoxy Grout is a three-component Epoxy Tile Grout, which is stain-free, crack-free, chemical-resistant and waterproof. UltraTech Tilefixo STYLE Epoxy Grout is ideal for filling tile/stone joints in floor & walls of Ceramic tile, Vitrified tile, Glass mosaic tiles, Metal tiles, Granite/Marble, Agglomerates (Engineered Stones), Precast Terrazzo tiles in residential, commercial and institutional structures in internal & covered external areas.

Areas of Application

Recommended for residential, commercial & institutional structures like kitchens, cafeterias, rest rooms, wet areas like swimming pools, sauna, water bodies, etc.

Features and Benefits

- Stain free
- Water & shock resistant
- Easy to clean
- Uniform colour
- Chemical & Temperature resistant
- Durable
- Certified for Food Grade Applications
- Anti – Fungal and Anti – Bacterial
- Traffic resistant
- Good flexural properties
- Low shrinkage

Method of Application



Surface Preparation

- Start epoxy grouting only after 24 hours of tile/stone fixing.
- Remove debris in joints and lightly sponge the tile surface to remove dust and dirt & then start using UltraTech Tilefixo STYLE Epoxy Grout.
- Ensure tile joints are dry, clean, free of dust & tile adhesive.
- Acid cleaning of tiles is not recommended, wash the tile area properly with water in case acid cleaning is done on tiles then start tile grouting.
- Joints should be completely filled to the depth, there should be no voids.



Mixing

- Mix the contents of UltraTech Tilefixo STYLE Epoxy Grout Part "A" (Resin) and Part "B" (Hardner) in a clean container as per recommended ratio.
- Use trowel or a slow speed drill mixer to mix Part A & Part B, kindly ensure the mix is completely blended.
- Add Part "C" (Filler) Powder and mix thoroughly for 3-4 minutes to ensure homogenous consistency, free of lumps and uniform colour to achieve a stiff mix to work into the joints.
- Mix only the required quantity which can be consumed within the pot life period of 45 mins.



Application

- Wear gloves during mixing & application.
- After mix is ready start filling tile joints. Mix should be used within pot life of 45 mins. Ensure that the grout is not in contact with water during application.
- Fill the joints with hard rubber squeeze/ grout floater, press the grout firmly into the joints ensuring there are no air voids.
- Remove excess material before initial cleaning with grout float. Do not leave excess grout on the face of tiles.

Method of Application



Cleaning

Initial Cleaning

- Clean the excess grout from tile joints & tiles after 20 minutes of application. Cleaning should be done before the product hardens.
- Use a rough textured sponge dampened with water to remove the grout residue.
- 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/ tile cleaner without disturbing the joint finish.
- Tools and containers should be cleaned using clean water when the grout is still fresh.

Final Cleaning

- Final Cleaning: within 24 hours do a second cleaning with normal soap detergent to remove any haze from the tile.

Technical data as per relevant IS Standards

Parameters	Std	UTCL
Component Ratio (Resin, Hardener, Filler)		(200g-Resin+76g-Hardener+724g Filler)
Food grade		Yes
Pot life @27 degree celsius		45 min
Joint-Width		2-14mm
Air Curing		7 days
No. of Shades available		8
Regular foot traffic		24 hrs
Heavy foot traffic		72 hr

ANSI DATA

Parameters	Std	UTCL
Compressive strength - 7 days	>3500 psi (24.06 N/mm ²)	79.8 N/mm ²
Tensile strength - 7 days	>1000 psi (6.87 N/mm ²)	13.3 N/mm ²
Pull-off Adhesion		3.2 N/mm ²
Water cleanability	>80 mins	80 mins
Initial setting time	>120 mins	150 mins
Service setting time	<=7 days	5 days
Shrinkage after 7 days	<0.25%	0.06%
Bond strength to quarry tile	>1000 psi (6.87 N/mm ²)	7.18 N/mm ²
Thermal Shock	>500 psi (3.43 N/mm ²)	6.8 N/mm ²
Sag in Vertical joints	No Change in shape of joints	Pass
Mix density		1776 kg/m ³

ISO/EN DATA

Parameters	Std	UTCL
Abrasion resistance	<=250mm ³	Pass (194mm ³)
Shrinkage	<=1.5mm/m	0.01mm/m
Water Absorption	<=0.1g	0.03 g
Compressive strength under std. conditions	>=45N/mm ²	82.3 N/mm ²
Flexural strength -7 days	>=30N/mm ²	32.4 N/mm ²

Chemical Resistance & Stain Resistance

Sr. NO.	Chemicals	Staining Resistance up to 24 hrs
1	Sodium Hydroxide 50%	Resistant
2	Sulfuric Acid 50%	Resistant
3	Nitric Acid 50%	Not Resistant
4	Nitric Acid 100%	Not Resistant
5	Benzoic Acid 5%	Resistant
6	Phosphoric Acid 80%	Not Resistant
7	Acetic Acid 100%	Not Resistant
8	Oxalic Acid 10%	Resistant
9	Tartaric Acide 50%	Resistant
10	Toluene	Resistant
11	Methylene Di Chloride	Resistant
12	Chloroform	Resistant
13	Potassium permanganate 10%	Not Resistant
14	Sodium Hypochlorite	Resistant
15	Sugar	Resistant
16	Yogurt	Resistant
17	Turmeric	Resistant
18	Wine	Resistant
19	Tomato Ketchup	Resistant
20	Coffee	Resistant
21	Hair dye	Resistant
22	Bleach	Resistant
23	Tea	Resistant
24	Toilet Cleaner -Acidic	Resistant
25	Toilet Cleaner - Basic	Resistant
26	Toilet Cleaner - Neutral	Resistant
27	Oleic Acid	Resistant
28	Soya Oil	Resistant

A4 size

Coverage

Consumption table dependent on the size of the tiles and width of the joints (kg/m²)

Tile Dimension in (mm)			Joint / Grouting Width in mm							
Length	Width	Thickness	2	3	4	5	6	8	10	12
25	25	6	1.70	2.56	3.41	4.26	5.11	6.82	8.52	10.23
25	50	6	1.28	1.92	2.56	3.20	3.84	5.11	6.39	7.67
50	50	6	0.85	1.28	1.70	2.13	2.56	3.41	4.26	5.11
100	100	6	0.43	0.64	0.85	1.07	1.28	1.70	2.13	2.56
100	100	10	0.71	1.05	1.42	1.78	2.13	2.84	3.55	4.26
300	200	6	0.18	0.26	0.36	0.44	0.53	0.71	0.89	1.07
300	300	6	0.14	0.21	0.28	0.36	0.43	0.57	0.71	0.85
450	300	6	0.12	0.18	0.24	0.30	0.36	0.47	0.59	0.71
600	300	6	0.11	0.16	0.21	0.27	0.32	0.43	0.53	0.64
600	600	8	0.09	0.14	0.19	0.24	0.28	0.38	0.47	0.57
800	800	8	0.07	0.11	0.14	0.18	0.21	0.28	0.36	0.43
1000	1000	10	0.07	0.11	0.14	0.18	0.21	0.28	0.36	0.43
1200	600	10	0.09	0.13	0.18	0.22	0.27	0.36	0.44	0.53
1200	800	10	0.07	0.11	0.15	0.19	0.22	0.30	0.37	0.44
1200	1200	12	0.07	0.11	0.14	0.18	0.21	0.28	0.36	0.43
1600	800	12	0.08	0.12	0.16	0.20	0.24	0.32	0.40	0.48
1800	1200	12	0.06	0.09	0.12	0.15	0.18	0.24	0.30	0.36

$$C = D * T * W * [(L+B) / (L*B)]$$

C : Tile grout coverage (kg/m²)

H : Thickness of tile (mm)

T : Width of joint (mm) L - Length of tile (mm)

W : Width of tile (mm)

*The coverage mentioned in table is indicative only and can vary as per the tile size, thickness, joint, width & wastage during application.

Safety Directions

- Shake well before use.
- Please use recommended proportion of all components (base, hardener & filler). Any change in proportion would not give the correct product performance.
- Do not apply on wet/damp tile joints. Always apply it on completely dry tile joints.
- Do not over-mix the material. Over-mixing can reduce the pot life.
- Apply masking tapes along tile joints while working on unglazed floor tiles, porous tiles & natural stones, tiles with matt glaze or textured surfaces.
- While cleaning, change water frequently. Change cleaning cloth/ sponge when they are impregnated with grout.
- Protect from direct rainfall/ foot traffic for at least 24 hours
- Do not use acid to clean joints.
- Do not allow grout to harden on the face of the tile. Clean promptly.
- Wear gloves and mask during application.
- Prevent direct contact with skin and eyes. In case of contact, wash with clean water immediately. In case of prolonged irritation, medical advice should be sought.
- Ensure to check the compatibility of grout colour with the tile colour, also do a patch test to check if there is any colour absorption by the tile.
- Restrict usage in direct sunlight/extreme temperature.

Shelf life

UltraTech Epoxy Tile Grout to be **used before 12 months** from manufacturing date. Store in a cool and dry place.

Packaging

1 kg, 5 kg

DISCLAIMER

Information provided in this data sheet is a guideline for usage. Users are advised to undertake a trial for product suitability prior to its full scale usage. There is no implied guarantee/warranty for the results and the company is not liable for any consequential damages.



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