

Walltron Stylfix Epoxy Grout

(Stainfree, Chemical resistant, High strength joint sealing epoxy compound)

DESCRIPTION:

WALLTRON STYLFIX EPOXY GROUT is specifically designed for use in applications of ceramic tiles, vitrified tiles and stones where staining is expected. It is a chemical resistant grout for heavy duty applications. It is recommended for areas where hygiene is of utmost importance.

FEATURES:

- Stainfree
- Color fast
- Easy to install and clean
- Chemical and temperature resistance
- No cracking or powdering
- Water cleanable when fresh
- Available in range of attractive colors

AREAS OF APPLICATION:

- Institutional kitchens, Breweries, food industries
- Cafeterias
- Swimming pools
- Rest rooms and Bath rooms
- Schools, Residential and commercial building
- Laboratories, production and storage workshops, paper mill dyeing plants, tannery etc.
- Operation theaters, clinics
- Garages, battery rooms, waste treatment plants, podium parking areas.
- Dairy and Pharma industries
- Textile industry
- Airports

RECOMMENDATION:

- Walltron Stylfix Epoxy Grout is recommended for use on tile joints of 2-12 mm width.
- Ensure 24 hours time interval for grouting after tile fixing.
- Clean off excess of epoxy from the joints before it hardens.
- If the tiles are highly porous, do a sample test to check for possible staining, to avoid this problem mask the tiles before grouting.

PROPERTIES OF MATERIAL SUPPLIED:

	Part A	Part B	Part C
Type of compound	Epoxy Resin	Hardener	Colored filler powder
Color & appearance	White hazy resin	Light pale yellow	Colored filler

Note: Colored filler available in 16 different colors

PROPERTIES OF MATERIAL SUPPLIED:

	Parts by weight	Pot Life
Part A : Part B : Part C	100 : 50 : 445	mixture@25°C : Approx.45 min.

CURING SCHEDULE:

Foot traffic / Light load: 24 hrs

Full traffic load: 72 hrs

APPLICATION METHODS:

Surface Preparation

Before starting to grout, remove debris in grout joints and lightly sponge the tile surface to remove dust and dirt. Do not clean tiles with acid cleaners. Substrate temperature must be between 16°C and 32°C.

Mixing

Empty entire contents of Walltron Stylfix Epoxy Grout Part A and Part B container into a clean mixing pail. Mix with a margin trowel or a slow speed drill mixer until liquids are completely blended. Add at least $\frac{3}{4}$ of Walltron Stylfix Epoxy Grout, Part C Filler Powder and mix to a uniform consistency. Mix as stiff as possible to work into the joints.

Application

Immediately pour entire contents of bucket onto working area. Use a plastic sheet as a drop cloth. Use standard epoxy grouting techniques to work with Walltron Stylfix Epoxy Grout into tile joints. This Grout can also be applied with a caulking gun. Be sure all grout joints are packed full. Remove as much excess material as possible before initial cleaning with grout float. Do not leave excess grout on the face of tiles.

Cleaning

Remove excess grout from the face of the tiles with the edge of the grout float. Hold the float at a 90° angle and pull it diagonally across the joints and tile to avoid pulling out the material.

Initial Cleaning:

After 30-45 min of the application of the grout scrub the surface of the tile & joint with clean water and scrubber provided to remove any excess grout. Then take a clean thick towel and drag across the tile to remove any residue.

Final Cleaning:

Within 24 hours do a second cleaning with normal soap detergent to remove any haze from the tile.

Maintenance

Walltron Stylfix Epoxy Grout requires routine cleaning with neutral pH soap and water or suitable cleaners. Performance and durability may depend on properly maintaining of Installed area.

NOTE: Keep the working area covered and protected from Sun light while application of Walltron Stylfix Epoxy Grout, is applied in open areas like swimming pools etc. Keep the cover for 7 days and till the filling of pools with water after the completion of grouting with Walltron Stylfix Epoxy Grout.

CONSUMPTION:

Consumption depends on the tile size and joint width. For example: for a tile of 20 cm x 20 cm with a 2mm joint width, the coverage would approximately 0.2 kg/sqm.

Please refer the table below;

Tile size in mm	200 x 300	300 x 300	450 x 450	600 x 600
Tile size in inches	8 x 12	12 x 12	18 x 18	24 x 24
Thickness in mm	6	7	8	9
Joint width	Consumption kg / sqm			
2 mm	0.172	0.106	0.122	0.103
3 mm	0.258	0.24	0.183	0.154
5 mm	0.43	0.401	0.305	0.258
10 mm	0.86	0.802	0.611	0.516

PHYSICAL PROPERTIES:

Property	Test Method	Unit	Typical Values
Compressive strength	ANSI A 118.3 1999; E 5.6	MPa	50.0 MPa
Bond strength to quarry tile	ANSI A 118.3 1999; E 5.5	MPa	8 MPa
Tensile strength	ANSI A 118.3 1999; E 5.7	MPa	10 MPa
Thermal shock	ANSI A 118.3 1999; E 5.8	-	7.5 MPa
Sag	ANSI A 118.3 1999; E 5.4	-	No change
Linear shrinkage	ANSI A 118.3 1999; E 5.3	%	< 0.10%
Water clean ability	ANSI A 118.3 1999; E 5.1	min	>80
Water absorption	ANSI A 118.6 1999; H 4.4	%	0.4
Initial setting time	ANSI A 118.3 1999; E 5.2	min	180
Service setting timer	ANSI A 118.3 1999; E 5.2	days	<7

CHEMICAL RESISTANCE PROPERTIES OF WALLTRON STYLFIX EPOXY GROUT SYSTEM:

No.	Chemical	Continuous exposure	Intermittent exposure	Splash exposure
1.	Milk	R	R	R
2.	Wine & Beer	R	R	R
3.	Ethanol	NR	R	R
4.	Potassium permanganate (10%)	NR	R	R
5.	Potassium permanganate (1%)	R	R	R
6.	Tannic acid (50%)	R	R	R

No.	Chemical	Continuous exposure	Intermittent exposure	Splash exposure
7.	Tartaric acid (50%)	R	R	R
8.	Phosphoric acid (80%)	R	R	R
9.	Sulphuric acid (20%)	R	R	R
10.	Oxalic acid (10%)	R	R	R
11.	Lactic acid	R	R	R
12.	Acetic acid to 5%	R	R	R
13.	NaOH to 50% saturated	R	R	R
14.	Benzoic acid (5%)	R	R	R
15.	Sea water	R	R	R
16.	Fruit juice	R	R	R
17.	Mild solvents	R	R	R

Splash - Minor spill wiped up quickly such as in a laboratory.
Intermittent - exposure to chemicals where clean up takes place several times a day such as in a commercial kitchen.
Continuous - heavy exposure to chemicals where clean up is less frequent such as in an industrial food plant.
R=Recommended, NR=Not Recommended. Chemical Resistance determined in accordance with ASTM C267-1982.

LIMITATIONS:

- Light colors may darken slightly from direct UV exposure. Consult for specific exterior recommendations.
- Maximum stain resistance is achieved 10 days after installation. Protect from exposure to acids and strong cleaners during this period.
- Not recommended for soft, polished marble or delicate glazed tiles.
- Walltron Stylfix Epoxy Grout for ceramic tiles, pavers, brick and stone are not a replacement for Waterproofing membranes
- During cold weather, protect finished work from traffic until fully cured.
- Until cured, Walltron Stylfix Epoxy Grout may irritate eyes and skin.
- Avoid Contact with eyes or prolonged contact with skin. In case of contact, flush thoroughly with water.
- Do not take internally. Silica sand can cause cancer or serious lung problems. Avoid breathing dust. Wear a respirator in dusty areas.
- Keep out of reach of children.

PACKAGING:

1Kg and 5 kg

SAFETY AND HANDLING:

Use gloves, goggles and barrier cream. Avoid contact with skin. Ensure adequate ventilation during application. For further detail, refer to Material Safety Data Sheet.

STORAGE AND SHELF LIFE:

Walltron Stylfix Epoxy Grout should be stored in well ventilated place. The area of storage shall be covered protecting the material from direct sunlight. The shelf life of these products shall be two years from the date of manufacture in sealed unopened container.

DISCLAIMER:

This information is intended only for general guidance in the application of our product. It has been obtained by careful investigation and represents the present state of our knowledge and experience. Because of the large number of possible methods of application and processing we are not able to assume responsibility in any one particular case for either the technical results or the patent rights situation applicable to the country under consideration.

FOR EXPERT CONSULTATION CALL: **8880 261 261**

