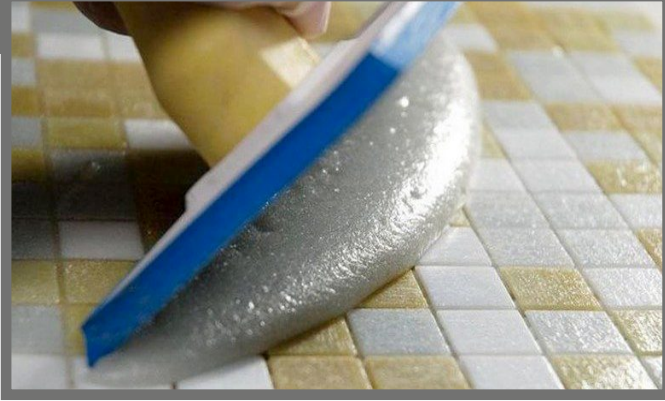


TECHNICAL DATA SHEET



RITEPOXY[®] - TR Translucent Epoxy Grout

(Ref. MBPL / TDS / TR / 0524)

❖ Product Description

RITEPOXY[®] - TR (Translucent Epoxy Grout) is two component epoxy grout specially designed for use filling up joints of ceramic tiles, vitrified tiles and joints, where hygiene is of utmost importance such as bathrooms, kitchen, living room, bedroom, hotels, hospitals, laboratories, swimming pools and high traffic areas. **RITEPOXY[®] - TR** (Translucent Epoxy Grout) is two components, easy to mix, chemicals resistant joint filler gives semi-transparent effect

❖ Special Features

- **RITEPOXY[®] - TR** is two component, epoxy based translucent grout
- Acid resistant
- Anti-bacterial & anti-fungal
- Strong, durable & easy to clean
- Ideal for waterproof grouting
- Internal and external flooring and walls
- High abrasion resistance
- Ideal for grouting material for multi-coloured tiles
- Suitable for joint width of 1-6 mm
- Becomes very hard and is highly resistant to heavy traffic
- Confirms **ANSI 118.3** requirements
- **EN 13888/ ISO 13007-3** : Classified as RG



❖ Applications

- Murals with glass mosaic chips
- Swimming pools
- Glass brick walls
- Lounges & Discotheques
- Multi-coloured glass & metal tiles

❖ Advantages

- Grout with light - translucent property
- Chemical resistant with non-toxic properties
- Strong, durable and easy to clean
- Ideal for grouting material for multi - coloured tiles
- Anti-bacterial and Anti-fungal

❖ Suitable Substrates

- Multi - colour glass & metal tiles
- Marble & Glazed wall tiles
- Non - vitreous clay tiles
- Glass Mosaic tiles

❖ Coverage

- Varies with width and depth of joint. (Refer grout consumption formula)

❖ Grout Consumption Formula

$$\frac{(\text{Tile length} + \text{Tile breadth}) \times \text{Tile thickness} \times \text{Joint width} \times \text{Specific gravity}}{(\text{Tile length} \times \text{Tile breadth})} = \text{kg} / \text{m}^2$$

Note : Specific Gravity - 1.70 -1.80 gm/ml

❖ Packing

- Available in **3 kg** pack.

Particulars	3 Kg Pack
Part A - Hardener	180 gm
Part B - Resin Filler Paste	2820 gm

❖ Shelf Life

- Factory sealed packs are best before 24 months from the date of manufacturing in unopened condition and stored in cool & dry area

❖ How to Apply

Surface Preparation

- Clean application area & remove dirt, dust & excess adhesive from tile joints
- Clean the wall or floor before application of tile grout. Ensure the adhesive used for tile installation is fully cured
- Remove water from the joints. It should be in dry condition
- Ensure the substrate temperature is between 15°C - 35°C
- Before Grouting, do a sample test if the tile or stone surface is highly porous or rough surface which may make cleaning difficult

Mixing

- Pour Part B (Hardener) into Part A (Resin Filler Paste) bucket thoroughly and mix well for 1-2 minutes until smooth paste is obtained

Application

- Spread the mixed material on application surface area using rubber float or appropriate trowel to fill-up the tile joints
- Press the material firmly into the joints diagonally to the tile surface
- Make sure the joints are completely filled
- Remove excess grout immediately using the spreader or float. Use rubber float at 90° angle and pull it diagonally to the joints and tile surface
- Ensure flush joints are achieved while removing excess grout from the surface
- Wait for 30 - 45 minutes for joints to harden

Cleaning

- Begin initial clean up with fresh and clean water & gently use damp scrub pad in circular motion to remove excess materials, epoxy haze film from the tile/stone surface
- Use plenty of clean water until excess grout, haze is cleared from surface
- Rinse the scrub pad frequently and squeeze it in a water bowl. If necessary, replace the scrub pad if it is saturated with excess grout
- Change the water frequently
- Ensure grout material is should not be removed from packed joints
- After finishing the initial cleaning with water, drag the surface with a clean wet towel at 45 degree to the grout joints to remove excess water and grout debris
- Dress the joint or grout surface with a sponge or use hand glove finger with water to get smooth joint finish
- Wait for 24hrs and finally clean the surface with soap or shampoo water to remove the epoxy marks
- Surface is now ready to use

❖ Notes on Application / Limitations

- For grouting surface should be good condition.
- Do not use on joints less than 1mm and more than 6 mm width.
- Care should be taken to avoid staining tiles when grouting application.
- Dark stains may form on the sides of the surface of especially light-coloured marbles or stones
- Protect area of application until fully cured (24 hours).
- Make preliminary sample test before grouting porous tiles or stone or rough surface . Apply masking tapes along with joints on rough surfaces
- For external applications usage, please consult MYMIX technical representative for the assistance.
- Tools and containers should be cleaned using clean water when the grout is still fresh.

Technical Data

Application Properties

(Temperature : 23-27 °C & Relative Humidity : 55)%

Testing Parameters	Typical Result	Testing Parameters	Typical Result
Appearance / Colour	Translucent Epoxy Grout	Initial Setting	3 - 4 hours
Joint Width	1 to 6 mm	Density of Mixture	1.70 -1.80 gm/ml
Pot Life	50 minutes	Time to Foot Traffic	24 hours
Initial Water Cleaning	30 - 45 minutes	Time to Heavy Traffic	72 hours

Technical Performance data according to ANSI 118.3

Test Parameter	Test Method	Typical Results
Water Cleanability @ 80 minutes	ANSI 118.3 (Section 5.1)	PASS (95-110 minutes)
Initial Setting Time	ANSI 118.3 (Section 5.2)	220 minutes
Shrinkage after 7 days	ANSI 118.3 (Section 5.3)	< 0.14 %
Sag in Vertical Joints	ANSI 118.3 (Section 5.4)	No Sag
Compressive Strength after 7 days	ANSI 118.3 (Section 5.6)	>8000 psi
Tensile Strength after 7 days	ANSI 118.3 (Section 5.7)	1800 - 2100 psi

Technical Performance Data according to ISO 13007 / EN 13888 (Classification : RG)

Test Parameter	Test Method	Typical Results
Abrasion Resistance	EN 12808 - 2	< 200 mm ³
Flexural Strength	EN 12808 - 3	> 30 Mpa
Compressive Strength	EN 12808 - 3	> 55 Mpa
Shrinkage	EN 12808 - 4	0.8 - 0.9 mm/m
Water Absorption after 240 Minutes	EN 12808 - 5	0.010 - 0.015 g
Chemical Resistance	EN 12808 - 1	Refer chemical resistance table

Note : 1 Mpa is equivalent to 145 psi

❖ Chemical Resistant Chart

Chemical Name	Typical Results @ 25 °C		
	Prolonged Contact	Moderate Contact (Max. 24 hrs)	Splash Contact
Ethanol	NR	R	R
Potassium Permanganate (10%)	NR	R	R
Potassium Permanganate (1%)	R	R	R
Tartaric Acid (50%)	R	R	R
Citric Acid (20 %)	R	R	R
Phosphoric Acid (10%)	R	R	R
Hydro Chloric Acid (10%)	R	R	R
Sulfuric Acid (20%)	NR	R	R
Oxalic Acid (10%)	R	R	R
Lactic Acid (5%)	NR	R	R
Acetic Acid (5%)	R	R	R
Sodium Hydroxide (50%)	R	R	R
Benzoic Acid (5%)	R	R	R
Hypochlorite Solution (4%)	NR	NR	R
Hydrogen Peroxide (4%)	R	R	R
Methanol	NR	NR	R

Chemical Name	Typical Results @ 25 °C		
	Prolonged Contact	Moderate Contact (Max. 24 hrs)	Splash Contact
MEK	NR	NR	R
Acetone	NR	NR	R
Chloroform	NR	NR	NR
Methylene Chloride	NR	NR	NR
Toluene	NR	NR	R
Xylene	NR	NR	R
Diesel	R	R	R
Petrol	R	R	R
Pine Oil	R	R	R
Butyl Acetate	NR	NR	R
Vegetable Oil	R	R	R
Water	R	R	R
Milk	R	R	R
Wine	R	R	R
Sea Water	R	R	R
Fruit Juice	R	R	R

Note : R - Recommended & NR - Not Recommended.

❖ Standards Followed

- ISO 13007-3 / EN13888 : Classification RG
- ANSI 118.3-2012

❖ Precautions

- Keep out of reach of children
- Wear suitable protective cloths, respirator and gloves
- In case of contact with skin / eyes, wash immediately with plenty of water & seek medical help

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