

# CS POXY GROUT

for ceramic tile, vitrified marble & stone



## PRODUCT DESCRIPTION

CS POXY GROUT is a stain free, colour-fast, chemical resistant, 100% solid poxy grout for ceramic tile, vitrified marble & stone.

## ADVANTAGES:

- All residential areas
- Hospitals
- Swimming pools
- Restaurants and Cafeterias
- Rest rooms
- Schools and collages
- Banquet areas

## POWERS OF PRODUCTS:

- Can resist chemicals and high temperature.
- Stain free
- Quick colour
- None cracking
- None powdering
- Easy to clean with water at the starting stage of applying
- Easy to install
- Available in huge range of difference colour and shades
- Vitrified, ideal to bond and grout glass mosaic
- Vitrified, impermeable to water, stains and dirt

## LIMITATIONS AND RECOMMENDATIONS:

- Adhesives/mastics, mortars and grouts for ceramic tile, pavers, brick and stone are not replacements for waterproof Membranes.
- After 10 days of applying it can be achieve higher resistance again stains and protect from exposure to acids and strong cleaners during this time.
- Due to effect of direct UV light exposure light colours can be darken lightly. Kindly consult with technical services for specific outer recommendations.
- It can't be use on polished and soft marble and delicate glazed tiles.

## WHERE TO USE:

- Suitable for vitrified tiles, ceramics, large formats, low thickness slabs and glass mosaic
- Internal floors and walls
- Vitrified tiles, low thickness slabs, ceramic tiles, clinker, cotto, glass and ceramic mosaic, of all types and formats
- Recomposed materials
- Flooring and walls in indoor, domestic and commercial applications, subject to permanent or occasional contact with chemical substances

## PHYSICAL PROPERTIES:

Chemical Nature	Epoxy resin as part A / epoxy Hardner as part B / colored filler powder as part C for 3 component
	Premixed epoxy resin with filler as part A / Epoxy Hardner as part B for 2 component
Shelf Life	24 months in non opening container
Alert	Protect from UV lights and source of high heat surface
Water Clean Ability	>80 minutes
Water Absorption	0.4 %
Sag	No variation
Initial Setting Time	180 min ( 3 hours)
Service Setting Time	7 days

## PACKAGING SIZES

CS POXY GROUT is a factory proportioned kit with resin as part A, Hardner as part B and colored Filler powder as part C.

### Unit Measurement For Three Component In 5 Kg Packing

Resin (part A)	:	900 grams
Hardner (part B)	:	350 grams
Colored filler powder (part C)	:	3750 grams

### Unit measurement for TWO component in 3 Kg packing

Part (A) Resin + colored filler (premix in resin)	:	2790 grams
Part (B) Hardner	:	210 grams

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### SHELF LIFE:

- Factory sealed containers of this product are guaranteed to be of first quality for two (2) years if stored at temperatures >32°F (0 C) and <110°F (43°C).
- During cold weather, protect finished work from traffic until fully cured

### SAFETY MEASUREMENTS:

- Avoid contact with eyes or prolonged contact with skin. In case of contact, flush thoroughly with water.
- Do not take internally. Silica sand may cause cancer or serious lung problems. Avoid breathing dust. Wear a Respirator in dusty areas.
- Until cured, CS POXY GROUT Stain free Grout may irritate Eyes and skin.
- Keep out of reach of children.

### SHELF LIFE:

Agent name	Continuous Exposure	Intermittent Exposure	Splash Exposure
Vinegar	Recommended	Recommended	Recommended
Butter	Recommended	Recommended	Recommended
Glucose	Recommended	Recommended	Recommended
Fresh milk	Recommended	Recommended	Recommended
Margarine	Recommended	Recommended	Recommended
Olive oil	Recommended	Recommended	Recommended
Tomato	Recommended	Recommended	Recommended
Milk	Recommended	Recommended	Recommended
Ethanol	Not recommended(Soft)	Recommended	Recommended
Wine	Recommended	Recommended	Recommended
Potassium Permanganate 10%	Recommended	Recommended	Recommended
Tannic Acid to 50%	Recommended	Recommended	Recommended
PotassiumPermanganate 1%	Recommended	Recommended	Recommended
Tartaric Acid to 50%	Recommended	Recommended	Recommended
Sulphuric Acid to 20%	Recommended	Recommended	Recommended
Phosphoric Acid to 80%	Recommended	Recommended	Recommended
Oxalic Acid to 10%	Recommended	Recommended	Recommended
Acetic Acid to 5%	Recommended	Recommended	Recommended
Lactic Acid to 5%	Recommended	Recommended	Recommended
Fruit Juice	Recommended	Recommended	Recommended
Sea Water	Recommended	Recommended	Recommended
Benzoic Acid 5%	Recommended	Recommended	Recommended
Sodium Hydroxide to 50% Saturated	Recommended	Recommended	Recommended
Petrol	Recommended	Recommended	Recommended
Coal tar oil	Recommended	Recommended	Recommended
Petroleum	Recommended	Recommended	Recommended
Turpentine	Recommended	Recommended	Recommended
Calcium chloride	Recommended	Recommended	Recommended

**NOTE:** It will not resist against of organic solvents like benzyl ketones, chloroforms, and nitric acid, and chronic acid, Hydrogen peroxide etc.

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## COVERAGES AREAS:

Coverage: Please refer below coverage chart as it depends on the tile size, joint width and depth.

	Format	Thickness	Theoretical coverage in Sq.ft/kg of material			
			1 mm	2 mm	5 mm	10 mm
Mosaic	25x25 mm	3 mm	28	15.5	7.5	5
	50x50 mm	4 mm	50	21	9.5	5.5
Natural Stones, Ceramic tiles And Vitrified Tiles	100x100mm	6 mm	53.5	27	11.5	6.25
	100x15mm	06 mm	64	32.5	13.5	7.25
	200x100mm	6 mm	71	36	15	8
	300x300mm	7 mm	136	68	28	14
	300x450mm	9 mm	127	64	26	13
	300x600 mm	9 mm	140	70	28	15
	600x600mm	10 mm	190	95	38.5	97
	1000x1000mm	12 mm	263	131	53	26
	1200x600mm	16 mm	158	79	32	16
	1200x2400mm	16 mm	315	157	63	32
	1800x900mm	25 mm	151	75	152	15
1800x1200mm	25 mm	181	91	36	18	

**NOTE:** Calculated coverage is approximate. It is provide for the purpose of estimation only. Actual coverage will very defensively on job site condition, actual file size, and installed grout joint size. Reduce 10 to 15% above coverage for waste spillage & clean up, with natural stone, engineered stone, ceramic & vitrified tiles.

### WORKING PROPERTIES AT 77°F (25°C)

Pot life : 45 minutes  
Foot life : 24 Hours  
Heavy traffic : 72 Hours

Specifications are subject to change without notification. Results shown are typical but reflects test procedures used. Actual field performance will depend on installation methods and site conditions

### INSTRUCTIONS FOR USE

#### SURFACE CLEARANCE

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 between 60°F (16°C) and 90°F (32°C).

#### Mixing ratio

#### FOR THREE COMPONENT

Empty entire contents CS POXY GROUT Stain free Grout Part "A " RESIN and Part "B" HARDNER 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 0.75% of CS POXY GROUT Part "C" Filler Powder and mix to a uniform consistency.Mix as stiff as possible to work into the joints.

#### FOR TWO COMPONENT

Empty entire contents CS POXY GROUT Stain free Grout Part "B "HARDNER and Part "A" (PREMIXED resin with filler)into a clean mixing pail.

#### 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 poxy grout into tile joints. poxy 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

#### NOTE:

Keep the working area covered and protected from Sunlight while application of CS POXY GROUT, stain free 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 CS POXY GROUT, stain free epoxy grout

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### CLEANING

Begin cleaning the tile work when the grout is still fresh. 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. Use circular movements to soften the film of grout on the tiles and finish cleaning the joint surface. Wipe the cleaned surface again with a dry cloth to make sure it is completely clean and there are no streaks of resin remaining. Do not walk on floors that are still damp as dirt could still stick to them. Within 24 hours do a second cleaning with normal soap detergent to remove any haze from the tile.

### NOTE FOR BETTER RESULT

Performance and durability may depend on properly maintaining of Installed area.