

Kastar Ceramic Tile Sealer

Kastar Ceramic Tile Sealer is a double-component epoxy adhesive for ceramic tile gap filling, mainly use epoxy resin, curing agent and high-grade pigment as raw material, adopt advanced technology. It is better than water-based tile sealer in application way and effect, it is smooth as ceramic after cured, good hardness, wear-resistant, stain-resistant, and easy to clean. Available in 26 colours for joints of at least 2mm. Also can used as tile adhesive.



★ Technical data of Kastar Ceramic Tile Sealer

TECHNICAL DATA (at +25°C)		
PRODUCT IDENTITY	component A	component B
Consistency:	paste	paste
Colour:	26 colors available	
Density (g/cm ³)	1.05	1.0
Brook-field viscosity (mPa·s)	40000-45000 (CPS)	40000-45000 (CPS)
APPLICATION DATA (at +25°C)		
Mix ratio:	component A : component B = 1 : 1	
Consistency of mix:	thick paste	
Density of mix (kg/m ³):	1.0375	
Application temperature:	from +10°C to +45°C	
Application Thickness	2mm to 10mm	

Operation time(100g)	40 minutes
Touch time	4 to 6 hours
Full Dry time	24 hours

★ FINAL PERFORMANCE

1. Shear strength (EN 12808-3) (N/mm²): ≥12 Mpa
2. Shrinkage after cured: ≤ 1%
3. Compressive strength (EN 12808-3) (N/mm²): 55
4. Resistance to abrasion (EN 12808-2): 147 (loss in mm³)
5. Water absorption (EN 12808-5) (g): 0.05
6. Resistance to moisture: excellent
7. Resistance to ageing: excellent
8. Resistance to solvents and oils: very good (see table)
9. Resistance to acids and alkalis: excellent (see table)
10. Resistance to temperature: -60°C to +120°C
11. Temperature in use: from +5°C to +50°C
12. Shelf life: 24 months

★ Features

1. Water-resistant, Anti-mildew, antibacterial, anti-penetration, resistant to yellowing.
2. Suitable for complicated colorful pattern.
3. Super anti-fouling, resistance to chemical corrosion.
4. High compressive strength, good abrasion resistance.
3. Green environmental protection.
5. Easy to maintain, cleanable to the original color.

★ Range of Application

1. All kinds of cabinets aperture, window, furniture, etc
2. All kinds of edges of Kitchen, toilet, also can be used to paste all kinds of hard materials
3. Bathtub, shower room, glass partition, implement, lavabo, mesa and basins of guesthouse
4. Hotel, family, such as the installation of sanitary ware, waterproof, plugging and decoration processing.
5. Indoor and outdoor grouting of ceramic tile and natural stone floors and walls. Also suitable for acid-resistant bonding and rapid setting of ceramic tiles, stone materials, fibre-cement, concrete and any other building material on all types of substrates normally used in construction



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www.ceramictilesealer.com

★ Instructions

1. Spray the adhesive for 30cm before officially use it, in case the front part adhesive didn't mix very well.
2. To ensure the good effect, pls use the caulking guns equipped with this adhesive.
3. It will take 1.5-2 hours for surface dry under 25°, 4-6 hours for totally dry in summer, 8-12 hours for totally dry in winter.
4. Pls clean with water immediately if it touch your eyes, keep this product beyond the place where children can touch.
5. This product should be sealed and stored in a cool dry place.

★ Application examples

1. Grouting floors and walls in the food industry (dairies, abattoirs, breweries, wine-cellars, conserved-food plants, etc.), shops and areas where hygiene is required (ice-cream shops, butchers, fish vendors, etc.).
2. Grouting industrial floors and walls (electrical industries, tanneries, battery rooms, paper-mills, etc.), where high mechanical resistance and resistance to acid attack is required.
3. Grouting swimming pools; particularly suitable for basins containing salt or thermal water. • Grouting tanks containing aggressive chemicals (purification plants, etc.).
4. Grouting ceramic tiles on laboratory benches, kitchen work surfaces, etc.
5. Acid-resistant Filling of tiles (used as an adhesive in compliance with class R2T specification according to EN 12004 standard).
6. Filling marble doorsteps and window-sills.
7. Filling tiles in plastic reinforced by fibre glass swimming pools.
8. Filling special pieces of tiles.

★ Technical Characteristics

Kastar Ceramic Tile Sealer is a 2 parts of epoxy tile joint filler, anti-acid, waterproof, mould proof, fast curing decorative epoxy sealant. It is suitable for tiles sealing around bathtubs, sinks, showers. Excellent adhesion to ceramic, procelain, glass, fiber glass, composites, anamel wood and wallboard.

1. Excellent mechanical and chemical resistance, therefore excellent durability.
2. A smooth final surface with low water absorption, therefore easy to clean; ensures hygiene.
3. Easy workability and finishing.
4. Becomes very hard and is highly resistant to heavy traffic.
5. No shrinkage, therefore absence of cracks and fissures.
6. Uniform colours that are resistant to ultra-violet rays and atmospheric agents

★ Package

**400ml/pc, 540g gross weight per bottle,
20 pcs/carton
Carton size: 370*240*240 mm**

Email: sealant@kater-adhesive.cn

Tel: +86 13924873008

Application tools: Stress sticks, sponge, knife, masking tape



★ Operate Way



01 Squeeze the grout into the tile joint directly

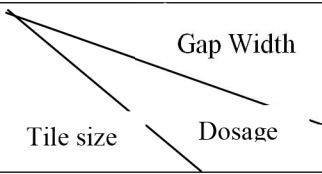
02 Use a ball shape tool to press into the groove

03 Remove the excess grout with a blade scrapper

★ Application Procedure

1. Twist off the cover of the bottle
2. According to the size of the gap, prepare the mouth of nozzle.
3. Put the nozzle on the bottle
4. Load the product in to caulking gun
5. In application, remove the space lugs and excessive adhesive or loose foreign material from the grouting groove. Preferably use the vacuum cleaner for cleaning.
6. Squeeze about 30cm volume from the nozzle tip and discard
7. Squeeze the grout in to tile groove.
8. Repeat the grouting if required.
9. Use a ball shape to press in to the groove
10. Keep it for 16 hours
11. Remove the excess grout with blade scrapper.
12. Use masking tapes along the tile edges for rough tiles before grouting

★ **Coverage Data Sheet**

Coverage Data							
	Gap Width						
	1MM	1.5MM	2MM	2.5MM	3MM	4MM	5MM
800*800mm	25.5 m ² /pc	21.2 m ² /pc	19.8 m ² /pc	14.2 m ² /pc	12.8 m ² /pc	10 m ² /pc	8 m ² /pc
400*800mm	19 m ² /pc	16.0 m ² /pc	15 m ² /pc	10.6 m ² /pc	9.2 m ² /pc	8.2 m ² /pc	7 m ² /pc
600*600mm	19 m ² /pc	16.0 m ² /pc	15 m ² /pc	10.6 m ² /pc	9.2 m ² /pc	8 m ² /pc	6.8 m ² /pc
500*500mm	16 m ² /pc	13.3 m ² /pc	12.5 m ² /pc	8.9 m ² /pc	7.6 m ² /pc	6.2 m ² /pc	5 m ² /pc
300*600mm	14.3 m ² /pc	12.0 m ² /pc	11.0 m ² /pc	7.9 m ² /pc	6.2 m ² /pc	5.8 m ² /pc	4.2 m ² /pc
400*400mm	12.8 m ² /pc	10.6 m ² /pc	10.0 m ² /pc	7.1 m ² /pc	5.8 m ² /pc	4.8 m ² /pc	3.8 m ² /pc
300*300mm	9.5 m ² /pc	8.0 m ² /pc	7.5 m ² /pc	5.4 m ² /pc	4.2 m ² /pc	3.6 m ² /pc	2.8 m ² /pc
200*200mm	6.4 m ² /pc	5.4 m ² /pc	5.0 m ² /pc	3.5 m ² /pc	2.8 m ² /pc	2.8 m ² /pc	2 m ² /pc
100*100mm	3.2 m ² /pc	2.7 m ² /pc	2.5 m ² /pc	1.8 m ² /pc	1.6 m ² /pc	1.2 m ² /pc	1 m ² /pc
50*50mm	1.6 m ² /pc	1.3 m ² /pc	1.1 m ² /pc	0.85 m ² /pc	0.75 m ² /pc	0.62 m ² /pc	0.5 m ² /pc

★ **Recommendation:**

Kastar Ceramic Tile Sealer can also be used for grouting glass mosaics with joints less than 3 mm. Kastar Ceramic Tile Sealer does not ensure perfect adhesion when used for grouting tiles with wet edges or contaminated with cement, dust, oil, grease, etc. Unglazed klinker tiles should be grouted with the same colour tone Kastar ceramic tile sealer. All other colours should be used only with glazed tiles. Do not use Kastar Ceramic Tile Sealer for grouting terracotta tiles because they are difficult to clean.

Addenda

CHEMICAL RESISTANCE OF CERAMIC TILING GROUTED WITH KASTAR

Group	ITEM	Concentration %	Laboratory benches	USE INDUSTRIAL FLOORING	
				Permanently used (+20°C)	Sporadically used (+20°C)
Acids	Acetic acid	2.5	+	+	+
		5	+	(+)	+
		10	-	-	-
	Hydrochloric acid	37	+	+	+
	Chromic acid	20	-	-	-
	Citric acid	10	+	+	+
	Formic acid	2.5	+	+	+
		10	-	-	-
	Lactic acid	2.5	+	+	+
		5	+	+	+
		10	(+)	(+)	(+)
	Nitric acid	25	+	+	+
		50	-	-	-
	Pure oleic acid		-	-	-
	Phosphoric acid	50	+	+	+
		75	(+)	-	(+)
Sulphuric acid	1.5	+	+	+	
	50	+	(+)	+	
	96	-	-	-	
Tannic acid	10	+	+	+	
Tartaric acid	10	+	+	+	
Oxalic acid	10	+	+	+	
Alkalis	Ammonia in solution	25	+	+	+
	Caustic soda	50	+	+	+
	Sodium hypochlorite in solution: active chlorine	6.4 g/l	+	(+)	+
		162 g/l	-	-	-
	Potassium permanganate	5	+	(+)	+
		10	(+)	-	(+)
Potassium hydroxide	50	+	+	+	
Sodium bisulphite	10	+	+	+	
Saturated solutions at +20°C	Saturated solutions at		+	+	+
	Sodium hyposulphite		+	+	+
	Calcium chloride		+	+	+
	Ferric chloride		+	+	+

	Sodium chloride		+	+	+
	Sodium chromate		+	+	+
	Sugar		+	+	+
	Aluminium sulphate		+	+	+
Oils and fuels	Petrol, fuels		+	(+)	+
	Turpentine		+	+	+
	Diesel fuel		+	+	+
	Tar oil		+	(+)	(+)
	Olive oil		(+)	(+)	+
	Light fuel oil		+	+	+
	Petrol		+	+	+
Solvents	Acetone		-	-	-
	Ethylene glycol		+	+	+
	Glycerine		+	+	+
	Methylene glycol acetate		-	-	-
	Perchloroethylene		-	-	-
	Carbon tetrachloride		(+)	-	(+)
	Ethyl alcohol		+	(+)	+
	Trichloroethylene		-	-	-
	Chloroform		-	-	-
	Methylene chlorid		-	-	-
	Tetrahydrofurane		-	-	-
	Toluene		-	-	(+)
	Carbon sulphide		(+)		+
	White spirit		+	+	-
	Benzene		-	-	-
	Trichloroethane		-	-	-
	Xylene		-	-	+
	Mercuric chloride (HgCl ₂)	5	+	+	
	Hydrogen peroxide	1	+	+	+
		10	+	+	+
25		+	(+)	+	
Remark:	+ excellent resistance		(+) good resistance		- poor resistance

* Evaluated in compliance with EN 12808-1 standards