

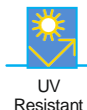


## FAVICRETE-100 EPOXY GROUT

Two – component chemical-resistant epoxy grout/unsanded grout for installation and grouting of tiles, mosaics and stones, where hygiene is of utmost importance such as bathrooms, kitchens, living room, bedroom, hospitals, laboratories, food & beverages industries, dairy industries, swimming pools, showrooms, airports and high traffic areas. It is chemical resistant joint filler and is available in 36 colors.

### CHARACTERISTICS

- Indoor and Outdoor Use
- Optimized UV and weather resistant
- Stable and uniform colors for all types of tiles / stones
- Easy application and cleaning as cementitious grout mortar
- Excellent chemical resistance
- High mechanical strength
- Non Toxic, Anti-bacterial & Anti-Fungal
- Strong, Durable
- Ideal for waterproof grouting
- Vertical resistance/Slip resistance
- Can be used as a grout mortar and adhesive
- Joint width 2mm to 20mm
- Suitable for the contact with food
- Available in 36 colors



## SCOPE OF USE

Suitable for chemical-resistant installation and grouting of floor and wall tiles and mosaic in interiors and exteriors with grout joints 2mm to 20mm wide, such as:

- Floor and wall tiles, stones in general for residential, public and industrial areas
- Floor and wall tiles, stones in bathrooms, showers, swimming pool, tanks, thermal or brackish water, spas and hammams
- Underfloor heating
- Kitchen countertops
- Terraces and balconies
- Food & beverages industries
- Dairy industries
- Suited for drinking water and food processing applications

Suitable for applications where the surfaces are exposed to aggressive chemical substances (see chemical resistance table) such as dairies, pubs, food factories in general. It is also recommended for grouting swimming pools and tanks, containing thermal or brackish water, spas and hammam baths. The product, therefore, can be used for the grouting of ceramic tiles, vitrified tiles and natural stones in environments submitted to direct contact with food items, such as: workbenches for meat, dairy products or flours, basins for fish breeding, kitchen tables in restaurants, bakeries and pastry shops.

## SUBSTRATE PREPARATION

FAVICRETE -100 EPOXYGROUT adheres to all sound, load-bearing, clean and dry substrates free of substances that may impair adhesion. Prior to grouting, the surface, thin-bed mortar or bedding mortar must have set sufficiently hard and all joints must be uniformly raked to the same depth and width.

## APPLICATION

Favicrete-100 is a stain free epoxy for floor and wall applications on tile & stones, where hygiene is of utmost importance such as bathroom, kitchen, living room, airports and high traffic areas. It is water & chemical resistant joint filler which is available in 40 colors, suitable for joints 2mm to 20mm, UV Resistant.

## MIXING

Add the hardener (component B) contained in the plastic bottle to the resin (component A) and mix with a low speed electric drill and stirrer (approx. 400 rpm) until the mixture is completely free of lumps. Scrape the sides and the bottom of the container, using a steel spatula, to make sure that all the paste is catalyzed. Partial hand mixing can be done. The two parts are pre-batched in their packaging.

## INSTALLATION OF TILES

FAVICRETE-100 EPOXY GROUT is applied using the thin-bed method. The notch size of the trowel must be adapted to the respective tile format in accordance with the local norms. The working time, which is identical with the correction time, is approx. 45 minutes at room and container temperatures of +23 °C.

## GROUTING

Work the mixed compound with an epoxy grout float into the clean, dry joints. Make sure the joints are completely filled without any voids.

Afterwards remove any excess material by skimming it diagonally off the tile surface with the grout float. For large surfaces, an electric single-brush floor maintenance machine equipped with an abrasion-resistant rubber scraper can be used.

## CLEANING AND FINISHING

The grout work must be cleaned and finished while the product is still wet and in any case in the shortest possible time. Take care to not remove product from the joints or leave stains on the tile/stone surface. Cleaning and finishing can be performed either manually or using an electric single-brush machine equipped with a felt disc.

## PRODUCT SAFETY

Product contains epoxy resin and hardener, so protect skin and eyes. After contact wash immediately with plenty of water. After eye contact also seek medical advice. It is recommended to use protective gloves and goggles. For further and complete information about the safe use of our product, please refer to the latest version of our Material Safety Data Sheet.

## GENERAL DATA

**Packing: 1kg & 5kg units**

- **Available Colors** :
  - Quarry Red
  - Silk
  - Almond
  - Buff
  - Mocha
  - Sandstone
  - Burgundy
  - Mushroom
  - Saltillo
  - Slate Grey
  - Natural Grey
  - Sage
  - Aqua Blue
  - Sapphire
  - Marble Beige
  - Smoke Grey
  - Sky blue
  - Sterling Silver
  - Platinum
  - Raven
  - Canyon Red
  - Bright White
  - Silver Shadow
  - Mayan Red
  - Sable
  - Hemp
  - Sauterne
  - Ivy
  - Dusty Rose
  - Sierra Sunrise
  - Inca Gold
  - Midnight Black
  - Cadmium Red
  - Alpine Bule
  - Antique White
  - Parchment

**Color:-**

**36 Colors**

## TECHNICAL DATA

1. Mix density : 1.70 g/ml
2. Pot Life : > 45 minutes
3. Application Temperature : +10°C to +35°C
4. Abrasion resistance : < 200 mm<sup>3</sup> (EN 13888- 2)
5. Flexural strength after 28 days : > 30 N/mm<sup>2</sup> (EN 13888 -3)
6. Compressive strength (7 days) : > 55 N/mm<sup>2</sup> (EN 13888- 3)
7. Water absorption : < 0.10 g (EN 13888 - 5)
8. Shrinkage : < 0.40 mm/m (EN 13888 - 4)
9. Shore D Hardness : > 70
10. Initial shear adhesion strength : ≥ 2.50 N/mm<sup>2</sup> (EN 13888)
11. Shear adhesion strength after
12. immersion in water : ≥ 2.50 N/mm<sup>2</sup> (EN 13888)
13. Shear adhesion strength after
14. thermal shock : ≥ 2.50 N/mm<sup>2</sup> (EN 13888)
15. Open time @ 30 mins :
16. Tensile Adhesion Strength : > 2.00 N/mm<sup>2</sup>
17. Slip : < 0.5 (EN 1308)
  
18. Temperature resistance : -10°C to +100°C (dry heat)
19. Foot traffic : 24 hours
20. Joint width : 2mm to 20 mm
21. Resistance to acids & alkalis : Refer resistance table
22. Resistance to solvents & oils: : Refer resistance table
23. Ready to use : 7 days
24. Shelf life : 24 months in original packaging in dry place

**Compliance :** Meets the Following Standards ANSI :118.3 EN13888:RG2 VOC : Very Low

Tile Size X Thickness	Joint Width								
	in mm	1.5mm	2mm	3mm	4mm	6mm	8mm	10mm	12mm
100x100x3	342	264	177	133	90	68	55	46	
150x150x4	385	296	198	149	100	75	61	51	
200x150x5	348	269	181	136	91	69	55	46	
150x300x6	340	263	175	132	88	66	53	44	
300x300x6	515	394	263	198	132	100	80	67	
450x300x7	530	405	270	202	135	101	81	68	
600x450x8	664	506	337	253	169	127	101	85	
600x600x8	750	591	394	295	197	148	119	99	
600x900x11	654	515	343	258	171	129	103	86	
900x900x12	749	590	393	295	197	148	118	99	

## Approximate sq.ft coverage for glass mosaic:

TILE SIZE	JOINT WIDTH	JOINT DEPTH
20mmx20mm	1.5mm	2mm

**Coverage:-** Approximate Sq Feet coverage per #1 unit (5kg) of Favicrete 100. As per the actual site the consumption vary accordingly. These Figures are for inductive Purpose.

### Customer Care

#### **FAVICRETE CHEMIE & COMPANY**

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