



## Vetofill EG455

Water Cleanable, Chemical Resistant Waterproof Epoxy Tile Grout

### Uses

- Filling tile joints of virtually all types of tiles up to 10 mm.
- Chemical processing plants and pharmaceutical plants.
- Industrial Kitchens, food plants, and hospitals.
- Swimming pools and aquariums.
- Heavy Duty and high trafficking exposure such as Commercial and Public spaces : Malls, Schools, Customer Service ...etc.

### Product Description

Vetofill EG455 is a two-component epoxy-based, water cleanable, chemical resistant, and waterproofing tile grout used with most types of tiles, including ceramic, porcelain, glass mosaic, marble, granite,...etc. The product is composed of 2 components consisting of a resin base with Filler and hardener.

### Advantages

- Water Cleanable
- Fast return to service and reinstatement.
- Waterproof, Hygienic, Impact Resistant
- High bond strength.
- Chemical and Stain Resistant

### Standards Compliance

- ANSI A118.3
- ANSI A108.6
- BS EN 13888 as RG2AW
- ISO13007-3 as RG2AW

### Design Considerations

- Do not apply/cure at a temperature below 5°C. Epoxy grout may discolor edges of porous natural stone, a trial application to be done in advance.

### Technical Data

Vetofill EG455	Typical Values @ 25°C
Application Thickness	2 to 10 mm
Mixed Density (kg/ltr)	1.7
Pot Life (Minutes)	45
BS EN 13888 Classification	RG2AW
Compressive strength (MPa)	≥ 50
Flexural strength (MPa)	≥ 20
Light Foot Traffic (Hours)	after 24
Full cure (Days)	7
Minimum Application Temperature (°C)	12
Sag in vertical joints ANSI A118.3	none
Shrinkage ASTM C531 (%)	≤ 0.25
Shear Strength ANSI A118.3 (MPa)	≥ 6.9
Shear Strength after thermal shock ANSI A118.3 (MPa)	≥ 3.6
VOC (gm/ltr)	≤ 15

## Usage Instructions

### Surface Preparation

The tile joints should be sound, clean, free from loose material, grease, laitance, dirt, or any other substance that might impair the bond's quality with the substrate.

Remove excess adhesive from the joints so that 2/3 of the depth of the tile is left available to grout.

### Mixing

To ensure proper mixing, use a mechanically powered mixer or heavy-duty slow speed drill fitted with a suitable paddle.

Stir the base (component A) and the hardener (Component B) individually to disperse any settlement. Pour the entire contents of the base and hardener into a suitable size container and mix mechanically for 2 minutes until achieving a uniform, lump-free consistency. Scrap the sides and bottom of the can to ensure complete mixing. Do not over mix as this will lead to flash setting (fast hardening). Also avoid high speed mixing as this will entrap air and create pinholes in the grout.

### Application

Fill the mixed grout into the joints using a rubber trowel or a hand-operated gun and cartridges; clean excess grout with a wet sponge.

After grouting with Vetofill EG455, within 80 minutes from grouting, clean the joints and excess grout by using a wet sponge.

For further information regarding the suitable substrates and tiles on which this product can be safely applied, please contact Saveto technical department.

### Cleaning

Clean tools and equipment with water immediately after use. Remove the hardened material using mechanical means.

## Packaging & Coverage

Product	Pack Size	Theoretical Yield
Vetofill EG455	8 kg kit (2 parts)	4.5 Liters

Stated consumption data are for general guidance. Actual consumption depends on the nature of the substrate, method of application, and wastages.

Accurate consumption can be calculated using the following formula:

$$[(A+B)/(A*B)] \times W \times D \times 1.7 = \text{kg/m}^2$$

A = Tile length (mm.)      B = Tile width (mm.)

W = Joint width (mm.)      D = Joint Depth (mm.)

### Shelf Life & Storage

The original sealed containers of Vetofill EG455 have a shelf life of 12 months, provided it is stored clear of ground in a dry, shaded place below 35°C.

### Health & Safety

Vetofill EG455 should not come into contact with skin and eyes or be swallowed. Ensure adequate ventilation and avoid inhalation of vapors. Some people are sensitive to resins, gardeners, and solvents. Wear suitable protective clothing, gloves, and eye protection. If working in confined areas, suitable respiratory protective equipment must be used. The use of barrier creams provides additional skin protection. In case of skin contact, rinse with plenty of clean water, then cleanse with soap and water. Do not use solvent. In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice. If swallowed, seek medical attention immediately - Do not induce vomiting.

Vetofill EG455 is non-flammable.

For further information, please refer to the material safety data sheet.

### Additional Information

Saveto manufactures a wide range of construction chemicals and specialty products for various applications.

For further information on these products and systems kindly check our website or contact your local Saveto representative.

## Legal Disclaimer

Saveto endeavors to ensure that any advice, recommendations, information it may give is accurate and correct. It cannot accept any liability either directly or indirectly arising from the use of its products because it has no direct or continuous control over where or how its products are applied, whether or not following any advice, specification, recommendation, or information given by us. Saveto has the right to change any of the technical datasheets specifications upon its discretion without prior notification.

Hard copies of TDSs are printed once or twice a year. Our technical data sheets are continuously updated as per R&D improvements and new 3rd party testing; kindly refer to our website for the latest updated TDSs.