



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.
- Hospitals and clinics.

Product Description

Vetofill EG455 is a three component epoxy based water cleanable, chemical resistant and waterproofing tile grout to be used with most types of tiles including ceramic, porcelain, glass mosaic, marble, granite,...etc. The product is composed of 3 components consisting of resin base, hardener and selected fillers.

Advantages

- Fast return to service and reinstatement.
- Excellent mechanical and physical properties.
- High bond strength.
- High chemical resistance.
- Water cleanable.

Standards Compliance

- ANSI 118.3 , ANSI 108.6 part 1,3 and 4
- BS EN 12004:2010 as RG2AW
- ISO13007: 2010 as RG2AW

Design Considerations

- Do not apply/cure at temperature below 12°C.
- For heavy traffic areas, it is good practice to back butter the tile back surfaces with the adhesive to ensure 100% coverage.

Technical Data

Vetofill EG455	Typical Values @ 25°C
Application Thickness	2 to 10 mm
Pot Life	45 minutes
VOC	≤ 30 gm/Liter
EN12004 Classification	RG2AW
Compressive strength ASTM C579-18	≥ 50 MPa
Tensile strength ASTM C307-18	≥ 14 MPa
Initial setting time ASTM C308	7 hrs.
Service Setting Time ASTM C308	7 days
Mixed Density	1.8 Kg / Liter
Minimum application temperature	12°C
Sag in vertical joints ANSI A118.3	Nil mm
Shrinkage ASTM C531	≤ 0.013%
Shear Strength ANSI A118.3	≥ 6.9 MPa
Shear strength after thermal shock ANSI A118.3	≥ 3.6 MPa

Usage Instructions

Surface Preparation

Substrate should be sound, clean, free from loose material, grease, laitance, dirt, or any other substance that might impair the quality of bond with the substrate.

Mixing

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

Stir the base and the hardener individually to disperse any settlement. The entire contents of the base and hardener should be poured into a suitable size container and mixed mechanically for 2 minutes. Add the filler and mix for another 3 minutes, until a uniform color is achieved.

Application

Fill the mixed grout into the joints using rubber trowel or by using hand operated gun and cartridges. Excess grout should be cleaned with wet sponge. Cleaning shall be immediately after grouting up to 20 minutes at 22°C, or before the epoxy hardens.

Cleaning

Tools and equipment can be cleaned with water immediately after use. Hardened materials will require removal by mechanical means.

Packaging & Coverage

Product	Pack Size	Theoretical Yield
Vetofill EG455	8 Kg kit	4.5 Liters

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

Shelf Life & Storage

Original sealed container of Vetofill EG455 has a shelf life of 12 months provided it is stored clear of ground in a dry shaded place below 25°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, hardeners 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 provide additional skin protection. In case of contact with skin, 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.

Additional Information

Saveto manufactures a wide range of construction chemicals and specialty products for various applications divided into the following product groups:

- Concrete Repair, Grouts and Enhancement.
- Wall & Facade Systems.
- Flooring and Coating Systems.
- Sealants and Joints.
- Plasters & Renders.
- Putties & Finishes.
- Tiling Systems
- Waterproofing.
- Primers & Ancillary Products.
- Specialty Products.

Saveto also provides various technical information such as CAD details, detailed method statements, specification clauses, application manuals, product selectors and technical support both in contractors and consultants offices as well as construction sites.

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

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