



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 used with most types of tiles, including ceramic, porcelain, glass mosaic, marble, granite,...etc. The product is composed of 3 components consisting of a resin base, hardener, and selected fillers.

Advantages

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

Standards Compliance

- ANSI A118.3
- ANSI A108.6
- BS EN 12004 as RG2AW
- SASO ISO13007-3 as RG2AW

Design Considerations

- Do not apply/cure at a temperature below 5°C.

Technical Data

Vetofill EG455	Typical Values @ 25°C
Application Thickness	2 to 10 mm
Pot Life	45 minutes
VOC	≤ 30 gm/Liter
SASO ISO 13007-3 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

The substrate 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.

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. Add the Filler (component C) and mix for another 3 minutes until achieving a uniform, lump-free consistency.

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.

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	4.5 Liters

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

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 divided into the following product groups:

- Waterproofing Systems.
- Concrete Repairs & Grouts.
- Flooring Systems.
- Wall & Facade Systems.
- Sealants and Joints.
- Renders & Finishes.
- Plasters & Masonry.
- Tiling Systems
- Primers & Ancillary Products.
- Thermal Insulation Systems.
- Protective Coatings.
- Accessories.

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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