



# Vetoset EA454

Water cleanable, chemical resistant waterproof epoxy tile adhesive.

## Uses

- Laying virtually all types of tiles to cementitious and metal substrates.
- Chemical processing plants.
- Industrial Kitchens, food plants, and hospitals.
- Swimming pools and aquariums.

## Product Description

Vetoset EA454 is a three-component epoxy-based, water cleanable, chemical resistant, and waterproofing tile adhesive 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 a resin base, hardener, and selected fillers.

## Advantages

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

## Standards Compliance

- ANSI A118.3
- ANSI A108.6
- BS EN 12004:2010 as R2T
- SASO ISO13007-3 as R2T

## Design Considerations

- Do not apply at a temperature below 5°C.
- For large-sized tiles, it is good practice to back butter the tile back surfaces with the adhesive to ensure 100% coverage.

## Technical Data

Vetoset EA454	Typical Values @ 25°C
Appearance	Beige Paste
Application Thickness	2 to 6 mm
Pot Life	30 minutes
VOC	< 25 gm/Liter
SASO ISO 13007-3 Classification	R2T
Compressive strength @ 7 days	≥ 33.4 MPa
Flexural strength @ 7 days	≥ 13.6 MPa
Tensile strength	≥ 6.9 MPa
Initial adhesion strength	≥ 5 MPa
Initial setting time	7 hrs.
Full cure	7 days
Mixed Density	1.7-1.8 Kg / Liter
Minimum application temperature	5°C
Shear adhesion strength after water immersion SASO ISO 13007 - 4	> 3 MPa

## Usage Instructions

### Surface Preparation

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

Apply a thin layer of the adhesive onto the substrate using the flat edge of the trowel. Comb the adhesive with a suitable notched trowel horizontally to achieve a 2 - 6 mm bed thickness. Place the tiles with firm pressure to ensure proper contact with the adhesive.

It is always better to work in a manageable area that can be tiled within the adhesive's open time. Leave the tiled surfaces for 24 hours before grouting.

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	Coverage
Vetoset EA454	8 Kg kit (3 components)	4.5-5.5m <sup>2</sup> / kit @1mm thickness

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

## LEGAL DISCLAIMER

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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.

## Shelf Life & Storage

The original sealed bags & containers of Vetoset EA454 have a shelf life of 12 months, provided it is stored clear of ground in a dry, shaded place below 35°C.

## Health & Safety

Vetoset EA454 should not come into contact with skin and eyes or be swallowed. 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.

Vetoset EA454 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.

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