



Vetoset EA454

Water Cleanable Chemical Resistant Waterproof Epoxy Tile Adhesive.

Uses

- Laying virtually all types of tiles to cementitious and metal substrates.
- Tiling in areas where Chemical Resistance is required.
- Tiling where heavy foot traffic is expected.
- Fast track tiling repair or re-tiling for renovation and maintenance
- Ideal for use in Industrial, Healthcare, Food Processing facilities.

Product Description

Vetoset EA454 is a two-component solvent free 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 2 components consisting of a Part A resin base and silica fillers, and Part B hardener.

Advantages

- Solvent Free
- Easy to mix and apply.
- Excellent mechanical and physical properties.
- High bond strength.
- High chemical resistance.
- Water cleanable, solvents for cleaning are not required
- Internal and External use, Wall and Floor tiling
- Complies with Green Building Regulations

Standards Compliance

- ANSI A118.3
- ANSI A108.6
- BS EN 12004 as R2T
- 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	Grey (standard), White
Mixed Density (kg/ltr)	~ 1.7
Application Thickness (mm)	2 to 6
Pot Life (Minutes)	30
Adjustability (Minutes)	20
VOC (gm/ltr)	< 5
BS EN 12004, ISO 13007-3 Classification	R2T
Slip Resistance (mm.)	≤ 0.5
Compressive strength @ 7 days (MPa)	≥ 45
Flexural Strength @ 7 days (MPa)	≥ 12
Tensile Adhesion Strength @ 7 days (MPa)	≥ 2
Initial Shear Adhesion Strength @ 28 days (MPa)	≥ 2
Shear Adhesion Strength after Water Immersion	≥ 2
Shear Adhesion Strength after Thermal Shock	≥ 2
Initial Setting Time (Hours)	7
Full Cure (Days)	7

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

Note: Avoid mixing the product if it is stored in warm place, Put the product in cool place before using it.

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. Avoid over mixing as this will lead to reducing the pot life.

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 (2 components)	4.5-5.5 m ² /kit @1 mm thickness

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 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.

Store the product in cool place prior to using it.

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.

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

Legal Disclaimer

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