



# Vetorep ER350

Twin pack epoxy putty, sealing, anchoring and leveling compound

## Uses

- Repair of concrete surface pores, blemishes at a feather edge thickness.
- Sealing of surface cracks in aggressive environments and injection repairs.
- Leveling of surface imperfections and irregularities before application of Saveto resinous coatings and toppings range.
- Fixing and bedding of tiles, dowels, and anchors.

## Product Description

Vetorep ER350 is a two-component epoxy-based thixotropic solvent-free compound. Once mixing the kit's components, the product becomes a smooth paste that is used to repair surface imperfections and irregularities, fill blow holes and pores while being completely impermeable, and have excellent adhesive and bonding properties. The thixotropic nature of the product allows it to function in vertical and overhead situations without sagging while maintaining an excellent bond..

## Advantages

- Smooth-buttery paste consistency that is non-slump.
- Chemically resistant compound.
- Superior bond to a wide range of substrates.
- Compatible with most coating and topping types.
- It can be feather-edged and built up to a thickness of 3 mm in a single layer.
- Extremely effective in cases of low reinforcement steel-concrete cover.
- Specifically designed for ease of application on floors - more area per applicator per day.

## Technical Data

Vetorep ER350	Typical Values
Volume of Solids	100%
Working life	45-60 minutes @ 22°C
Fresh Mixed Density	Approximately 1.6 kg/ltr
Compressive Strength ASTM C579, 7 days	55 MPa
Tensile Strength ASTM C579, 7 days	12 MPa
Flexural Strength BS 6319, Pt3	23 MPa @ 28 Days
Bond Strength	> 2 N/mm <sup>2</sup> @ 20°C (Concrete Failure)
VOC Content ASTM D2369	<10 gm / Liter (LEED Compliant)

## Usage Instructions

### Surface Preparation

The surface must be structurally sound, free from oil, grease, and other forms of contamination. The concrete surface should be dry and suitably prepared either by scabbling or grit blasting to remove any surface laitance.

Grit blast steel surfaces to remove all rust and scale.

## Mixing

Vetorep ER350 comprises two components, a resin Base and a Hardener, supplied preweighed in the correct proportions. Under no circumstances should part mixing be carried out. When required for application, mix the two components well until obtaining a uniform consistency and color; this should be ideally carried out using a mechanical mixer.

## Application

For bonding concrete sections, apply an even coating of the product to both surfaces, and bring it together under light pressure. Remove any excess paste which exudes from the joint. Trowel the joint to a neat finish. Protect the assembled sections from movement until the resin sets. When using Vetorep ER350 as a bonding primer in the vertical or overhead position, apply an even layer of Vetorep ER350 to the surface and press it well to ensure good contact. Place the material to be bonded after approximately 30 minutes at 20°C. (This time refers to the total elapsed time from mixing the product). For patch repairs, apply Vetorep ER350 to the surface and finish it to levels. Aid a smooth surface by wetting the trowel sparingly with Vetonit Solvent XX400. Apply Vetorep ER350 to cracks or inaccessible areas using a sealant gun.

Vetorep ER350 has a working time of approximately 45 minutes at 22°C. Leave the mixed material to stand for any length of time before application, as this will considerably reduce its working time.

## Curing

Allow Vetorep ER350 to cure for 24 hours at 20°C before being subjected to foot traffic. At the same temperature, full mechanical and chemical properties are achieved after 7 days (please consult the Saveto Technical Department for further details about curing times at other temperatures).

## Cleaning

Clean uncured material with Vetonit Solvent XX400. Remove cured material mechanically.

## Packaging & Coverage

Product	Pack Size	Consumption
Vetorep ER350	5 Kg kits	0.7 Liters / Kg

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

## 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 kit of Vetorep ER350 has a shelf life of 12 months, provided it is stored clear of ground in a dry and shaded temperature-controlled place <35°C.

## Health & Safety

Vetorep ER350 Contains resins that may cause sensitization by skin contact. Avoid contact with skin and eyes and inhalation of vapor. Wear suitable protective clothing, gloves, and eye/face protection. Barrier creams provide additional skin protection. Should accidental skin contact occur, remove immediately with a resin-removing cream, followed by 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.

Vetorep ER350 is non-flammable.

Vetonit Solvent XX400 is flammable. Do not expose to direct flame, and keep it away from heat sources.

## 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.
- Tile adhesives & Grouts.
- 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.