



Vetotop EL395

Self-smoothing Novaloc epoxy based floor topping from 0.8 to 2mm thickness

Uses

- Floor topping for a variety of industrial applications such as: production chemical plants, secondary containment areas, dairies, bottling plants, breweries, pharma plants, etc.
- Wet working areas subject to chemical spillage.
- Clean rooms and laboratories.

Product Description

Vetotop EL395 is a two component high performance self-smoothing Novolac epoxy flooring system that flows in a honey like manner to self-smoothen to a perfect level. Once cured, the product has excellent abrasion and chemical resistance. Vetotop EL395 provides an attractive hard wearing and easily cleanable floor finish. Its use on floors will enhance lighting in the environment due to the product reflective properties.

Advantages

- Superior glossy and leveled finish.
- High abrasion and impact resistance.
- Ease of application.
- High chemical resistance.
- Low maintenance costs.
- Hygienic, impervious and easily cleanable.
- High bond, stronger than concrete cohesive strength.
- Fast Curing.

Standards Compliance

- BS EN476:2009 as class 1 in flame spread.

Technical Data

Vetotop EL395	Typical Values
Solid Content (%Volume)	100
Recommended DFT / coat	800-2000 µm
Pot Life @ 15°C/54°F (min)	45
Mixed Density @ 20°C (kg/L)	1.5
Application Maximum Relative Humidity (%)	75
Compressive Strength ASTM C579 (MPa)	90
Water Absorption ASTM D413 (maximum)	Nil

Usage Instructions

Surface Preparation

The surface should be sound, clean, free from loose material, grease, laitance, dirt curing compound, etc.

Laitance and weak surface layer shall be removed using mechanical methods such as grinding or blasting in order to provide a sound well profiled surface. All necessary repairs should be made prior to application by using epoxy mortar from Vetorep ER range.

New concrete floors shall be at least 28 days old with moisture content of less than 5% (shall earlier application be required testing of substrate for moisture conditions shall be made).

Priming

Vetoprime EP491 is the recommended primer for Vetotop EL395.

After priming, the surface must be free of pin-holes. Vetoprime EP491 should be mixed in the proportions supplied. Add the entire contents of the Hardener Can to the Base Can.

When thoroughly mixed, preferably using a slow speed mixer, the primer should be applied in a thin, continuous film using rollers or stiff brushes. Work the primer well into the surface of the concrete taking care to avoid ponding or over application. The primer should be left to achieve a tack-free condition before applying the top coat.

Mixing

Vetotop EL395 is supplied in two pre-weighed packs (base and hardener), which are ready for immediate on-site use. Part mixing of these components is not acceptable and will affect both performance and appearance of the finished floor. Mixing should be carried out using either a forced action mixer, or a heavy duty mobile mixer fitted with a jiffy type mixing paddle.

All such equipment should be of a type and capacity approved by Saveto. The components should be mixed in a suitable sized mixing vessel. Stir the base and hardener components individually, then empty them into the mixing vessel scrapping the edges. Mix for further 3 minutes until a completely homogeneous material is obtained.

Application

Ensure there are sufficient labor and materials to make the mixing and subsequent application process a continuous one for any given, independent floor area. Once mixed, use the material within its specific pot life. Pour the mixed material onto the prepared and primed substrate. Spread the material to the required thickness by using a notched trowel or a gauged spreader; take care not to overwork the resin, spread slowly and evenly. Immediately after laying, roll the material by using a spiked nylon roller, to remove the slight trowel marks, and to assist air release. Rolling should be carried out using 'Back and Forth' technique along the same path. An overlap of 50% with adjacent paths is recommended. Prior the product setting, further light rolling may be required to remove surface imperfections, or for subsequent release of trapped air.

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Floor Joints

New floor surface should follow all the existing expansion or movement joints. Joint sealant and joint geometry should be compatible with the floor type used, intended exposure conditions and likely movement characteristics of the substrate. Consult local Saveto office for more details.

Cleaning

Tools and equipment should be cleaned with Vetonit Solvent XX400 immediately after use. Hardened material can only be removed mechanically.

Packaging & Coverage

Product	Pack Size	Theoretical Coverage
Vetotop EL395	15 Liter Kits	1m ² / liter @1mm
Vetoprime EP491	4 Liter Kits	8m ² / liter

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

Shelf Life & Storage

Original sealed kits of Vetotop EL395 has a shelf life of 12 months provided it is stored clear of ground in a dry and shaded place below 35°C.

Health & Safety

Vetotop EL395, Vetoprime EP491, and Vetonit Solvent XX400 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 cream provides 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.

Vetonit Solvent XX400 is flammable. Keep away from sources of ignition. No Smoking. In the event of fire extinguish with CO₂ or foam.