

FLOORING



Vetotop UC371

High performance, chemical scratch & UV resistant polyester polyurethane floor & wall coating

Uses

- Long-term protection of car parks and floors in factories, warehouses, laboratories, loading deck ramps, swimming pools, showers, kitchens, dairies, breweries.
- UV Resistant top coat over flooring systems including concrete, epoxies, aromatic elastic polyurethanes,...etc.
- Apply to floors, walls, and ceilings.

Product Description

Vetotop UC371 is a two-component, solvent-based polyurethane topcoat. It is used as UV resistant sealer over concrete and the range of Vetotop epoxy and polyurethane flooring & coating systems. Special additives and adhesion promoters give this material excellent penetration and adhesion to minimally profiled concrete. Vetotop UC371 is UV stable for exterior applications, cures rapidly, and the sealed system is ideal for all-weather exposure. Vetotop UC371 gives a hard, glossy surface that offers excellent scratch resistance and easy cleanability when used as a finish coat. Vetotop UC371 is supplied in a pack size of 4 liters kit consist of Resin & Hardener.

Advantages

- Fast, easy application.
- Superior abrasion, scratch, and chemical resistance.
- Low maintenance cost.
- Hygienic, impervious, and easily cleanable.
- Available in 8 standard colors with the possibility of custom RAL colors.
- High bond, stronger than concrete cohesive strength.
- Weather-resistant, UV stable, will not degrade, chalk or yellow under Ultra Violet light exposure.

Design Criteria

Vetotop UC371 is designed to be a hard-wearing thin coat application on cementitious or metal substrates and a top coat over epoxy and aromatic urethane coatings thicknesses between 70 and 100 microns. The product is used for internal and external applications. The applied product will be resistant to water as well as a wide range of chemicals.

Standards Compliance

- BS EN 476:2009 as Class 1 in flame spread.

Technical Data

Vetotop UC371	Typical Values
Solid Content (%Volume)	70
Recommended DFT / coat	75 - 100
Pot Life @ 12°C (min)	90
Pot Life @ 40°C (min)	25
Thin Film Dry Time (hours) @ 12°C	12
Application Maximum Relative Humidity (%)	75
Bond Strength to Concrete ASTM D4541	> 1.5 MPa
Taber Abrasion ASTM D4060 CS17 Wheels (mg loss/1000cycles)	10
Water Absorption ASTM D413 (maximum)	0.001
Porosity with no sealer NACE Sand TM-01-74	0
Skid Resistance (British Pendulum number - BPN) ASTM E303: DRY:	91
Wet:	21
Recoat Time	
Elongation ASTM D412	50%
Tensile Strength ASTM D412	7 N/mm ²

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 to provide a sound, well-profiled surface. Repair all necessary surfaces before application by using epoxy mortar from the Vetorep ER range.

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

It's mandatory to apply a penetrating primer Vetoprime EP490 on the porous substrates before applying Vetotop UC371.

Mixing Vetotop UC371

In a separate mixing vessel, use a slow speed mixer to mix the base, hardener for 3 minutes. Mix these components in the quantities supplied, taking care to ensure all containers are scraped clean. Do not add solvent thinners at any time.

Application

Apply Vetotop UC371 by roller. The application should be at a rate of 6.6 m²/liter per coat.

The application should not be carried out when humidity exceeds 75% or when the surface temperature to be coated less than 3°C above the dew point.

Vetotop UC371 can be applied as a single coat or multi-coat sandwich system incorporating Vetograin products to give a slip-resistant finish. For more information, please refer to Vetograin Technical Data Sheet.

Expansion Joints

Expansion joints in the existing substrate must be retained and continued through the Vetotop UC371 topping. Saveto has a range of joint sealants specifically designed for flooring (see Vetoflex PS782 product data sheet).

Cleaning

Clean tools and equipment with Vetonit Solvent XX300 immediately after use.

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.

Packaging & Coverage

Product	Pack Size
Vetotop UC371	4 Liters Kit

Product	Coverage
Vetotop UC371	18.7 m ² /4 Liter Kit @150 microns DFT.

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

In the case of using antislip aggregates, the consumption values for the topcoat will increase by 15 - 40%.

Shelf Life & Storage

The original sealed kit of Vetotop UC371 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 UC371 is irritant and harmful; therefore, avoid direct contact with eyes or skin. It is recommended to use protective gloves and goggles during application. In case of contact with eyes, clean immediately with plenty of clean cold water and seek medical advice.

Ensure adequate ventilation when using the product or when using solvent for cleaning purposes and avoid vapors' inhalation. The use of barrier creams provides additional skin protection. In case of skin contact, rinse with plenty of clean water, 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.

Vetotop UC371 and Vetonit Solvent XX300 are flammable. Keep away from sources of ignition. No Smoking. In the event of a fire, extinguish with CO₂ or foam.

Refer to product(s) MSDS for further information.

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.