



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 decks ramps, swimming pools, showers, kitchens, dairies, breweries.
- UV Resistant top coat over flooring systems including concrete, epoxies, aromatic elastic polyurethanes,...etc.
- Can be applied to floors, walls and ceilings

Product Description

Vetotop UC371 is a two component, solvent based polyurethane top coat. It is used as UV resistant sealer over concrete and the range of Vetotop epoxy and polyurethane flooring & coating systems. The use of special additives and adhesion promoters gives this material excellent penetration and adhesion to minimally profiled concrete. Vetotop UC371 is UV stable for use in exterior applications, cures rapidly and the sealed system is ideal for all weather exposure. When used as a finish coat, Vetotop UC371 gives a hard, gloss surface that offers excellent scratch resistance and easy clean ability. Vetotop UC371 is supplied in a pack size of 4 & 15 liter 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 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 as well as a top coat over epoxy and aromatic urethane coatings at thicknesses between 75 and 100 microns. The product is used for internal and external application. The applied product will be resistant to water as well as a wide range of chemicals.

Technical Data

Vetotop UC371	Typical Values
Solid Content (%Volume)	50
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

- BS EN476:2009 as class 1 in flame spread.
- ASTM E303

Standards Compliance

- DIN 53457

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).

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 to the surface. The application should be at a rate of 5 m²/liter per coat.

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

Vetotop UC371 can be applied as a single coat, or as a 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 have a range of joint sealants specifically designed for flooring (see Vetoflex PU781 and Vetoflex PS782 product data sheets).

Cleaning

Tools and equipment should be cleaned with Vetonit Solvent XX300 immediately after use.

Packaging & Coverage

Product	Pack Size
Vetotop UC371	4 & 15 Liter Kits

Product	Theoretical Coverage
Vetotop UC371	5m ² / Liter @ 200micron DFT

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

In case of use of antislip aggregates, the consumption values for the top coat will increase by 15 - 40%.

Shelf Life & Storage

Original sealed bag 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 product or when using solvent for cleaning purposes and avoid inhalation of vapors. The use of barrier creams provide 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.

Vetotop UC371 and Vetonit Solvent XX300 are flammable. Keep away from sources of ignition. No Smoking. In the event of fire extinguish with CO₂ or foam. Refer to product(s) MSDS for further information.

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