



Vetotop UC370

UV resistant trafficable polyurethane coating

Uses

- long term protection of car parks and floors in factories, warehouses, laboratories, loading decks ramps, showers, kitchens, dairies, breweries.
- UV Resistant top coat over flooring systems including concrete, epoxies, aromatic polyurethanes,...etc.

Product Description

Vetotop UC370 is a two component, low viscosity acrylic urethane top coat. It is used as UV resistant sealer over concrete and the range of Vetotop epoxy and polyurethane flooring & coating systems. Vetotop UC370 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 UC370 gives a hard, gloss surface that offers excellent stain resistance and easy cleanability. Vetotop UC370 is supplied in a pack size of 4 & 15 liter kit consist of Resin & Hardener.

Advantages

- Excellent adhesion.
- UV Resistant - does not yellow.
- Durable and low maintenance cost.
- Good resistance to a wide range of chemicals.
- High mechanical properties with excellent impact and abrasion resistance.
- Provides a degree of Flexibility.

Design Criteria

Vetotop UC370 is designed to be applied by roller or airless spray in two or more coats at a thickness of 100 microns per coat (DFT). The product is designed to resist ultra violet rays (UV) while being trafficable and abrasion resistant.

Standards Compliance

- BS 7976-2
- ASTM D 638
- BS 3900

Technical Data

Vetotop UC370	Typical Values
Solid Content (%Volume)	55-60
Kit Size (L)	4 & 15
Pot Life @ 20°C/68°F (min)	60
Pot Life @ 40°C/104°F (min)	20
Application Maximum Relative Humidity (%)	75
Tensile Strength ASTM C307 (N/mm ²)	11
Elongation	100%
Bond Strength to Concrete ASTM D4541 (N/mm ²)	>2
Taber Abrasion ASTM D4060 CS17 Wheels (mg loss/1000cycles)	20
Water Absorption ASTM D413 (maximum)	0.001
Porosity with no sealer NACE Sand TM-01-74	0
Skid Resistance ASTM D2394	Pass

Vetotop UC370 has good resistance to alkalis, diluted acids, spillage of solvents, chemicals, jet fuel, grease, etc. and the high abrasion resistant combined with its elasticity makes Vetotop UC370 suitable for use in car parks, vehicle ramps and traffic aisles both indoor and outdoor.

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 UC370

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 UC370 by roller or airless spray to the surface. The application should be at a rate of 6 m²/litre per coat.

Application should not be carried out when humidity exceeds 85%, or when the surface temperature to be coated is less than 3°C above the dew point.

Vetotop UC370 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 UC370 topping. Saveto have a range of joint sealants specifically designed for flooring (see Vetoflex PU781, Vetoflex PS782 and Vetoflex PS786 product data sheets).

Cleaning

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

Packaging & Coverage

Product	Pack Size
Vetotop UC370	4 & 15 Liter Kits
Vetoprime EP491	4 Liter Kits

Product	Theoretical Coverage
Vetotop UC370	6 m ² / Liter
Vetoprime EP491	8 m ² / Liter

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 kit of Vetotop UC370 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 UC370 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 vapours.

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 UC370 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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