saveto Construction Materials

vetonit Product Data Sheet

Vetotop *UC368*

Superior performance, aromatic & flexible waterproof polyurethane flooring membrane

Uses

- Carpark decks.
- Food and pharmaceutical industry flooring.
- Aircraft hangers.
- Service centers, workshops.

Product Description

Vetotop UC368 is a two component, solvent free aromatic polyurethane intermediate coat and waterproofing membrane. The product needs to be overcoated with Vetotop UC370 or Vetotop UC371 for optimum performance and scratch resistance. The products flexibility enables it to perform in a wide range of flooring applications.

Advantages

- 100% reactive solids and solvent-free
- Two components; does not depend on humidity to cure
- Low maintenance cost.
- Hygienic, impervious and easily cleanable.
- High bond, stronger than concrete cohesive strength.
- Excellent impact resistance.
- Achieves high thickness compared to moisture-cured single component PU.

Design Criteria

Vetotop UC368 is designed to be a an intermediate waterproof coat preceeded with a primer and overcoated with a scratch resistant coat of an aliphatic polyurethane based coating such as Vetotop UC370 or Vetotop UC371. Vetotop UC368 is aromatic urethane coating that is applied at a thicknesses of 400-600 microns in a single layer. 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.

* For external application it should be coated with Vetotop UC370 or Vetotop UC371.

Technical Data

Vetotop UC368	Typical Values @ 22ºC
Solid Content (%Volume)	100
Specific Gravity	1.35 ± 0.05
Recommended DFT / coat	400 - 600
Pot Life (min)	25
Tensile Strength (ASTM D638-14	27±1 MPa
Elongation (ASTM D522/D522M-13)	70% ± 3%
Application Maximum Relative Humidity (%)	75
Bond Strength to Concrete ASTM D4541-09e1	> 1.5 MPa
Taber Abrasion ASTM D4060 CS17 Wheels (mg loss/1000cycles)	90
Water Absorption ASTM D570-98(2010)e1	0.001
Porosity with no sealer NACE Sand TM-01-74	0
Service Temperatures	-20 ºC to +65ºC
Tear propagation resistance, DIN ISO 34-41	60N/mm2

Standards Compliance

- ASTM D 6577-15
- BS EN476:2009 as class 1 in flame spread.

Usage Instructions

Surface Preparation

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

Concrete substrates shall be primed with Vetoprime UP360 or Vetoprime EP490.

Mixing Vetotop UC363

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 UC368 by a pin leveler or airless spray to the dry surface. The application should be at a rate of 1.7-2.5 m^2/litre per coat.

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

Vetotop UC368 can be applied as a single coat, or dressed with Vetograin products to give a slip resistant finish.

For more information, please refere to Vetograin Technical Data Sheet.

Expansion Joints

Expansion joints in the existing substrate must be retained and continued through the Vetotop UC368 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 XX400 immediately after use.

Packaging & Coverage

Product	Pack Size
Vetotop UC368	4 or 15 Liter Kits
Vetoprime UP360	4 Liter Kits
Vetoprime EP490	4 Liter Kits

Product	Theoretical Coverage
Vetotop UC368	1.7-2.5 m^2 / Liter
Vetoprime UP360	8-10 m^2 / Liter
Vetoprime EP490	8-10 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 be reduced by 15-70%.

Shelf Life & Storage

Original sealed bag of Vetotop UC368 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 UC368 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 advise.

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 medial 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. Refer to product(s) MSDS for further information.

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