



Vetoproof UM766

Elastomeric polyurethane liquid applied waterproofing membrane

Uses

- Wet areas: kitchens, bathrooms, swimming pools,...etc.
- Basements, tunnels, subways and culverts.
- Inverted roofs, suspended slabs, balconies.
- Tanking systems.

Product Description

Vetoproof UM766 is a premium quality pitch extended polyurethane waterproofing membrane, the product is liquid applied that hardens through reaction with atmospheric water vapour to form a highly elastic rubbery jointless membrane that is resistant to aggressive ground water and sewage. Vetoproof UM766 can be applied at 0.7mm on vertical application.

Advantages

- Easy to apply single component liquid application.
- Jointless application that is easy to detail.
- Crack bridging highly elastic membrane at various temperatures.
- Vapour proof.
- Easy to repair and maintain.
- Fully bonded prohibiting lateral migration of water.
- Thermally and chemically stable, resistant to oxidation and embrittlement.
- Economical.

Standards Compliance

- ASTM C836/C836M (2012).
- ASTM C1417/C1417M-05 (2014) e1
- ASTM C898/898M-2009

Design Criteria

Vetoproof UM766 use follows the guidelines of EN BS8102:2009 and CIRIA report No. 139 and ASTM guides C1417 nad 898.

Technical Data

Vetoproof UM766	Typical Values @ 25°C, 50% RH
Color	Black
Tack free time	14 - 20 hours
Permeability: ASTM E96/E96M-13	0.035
Water Vapour Transmission ASTM E96/E96M-13	9.6 (gm / m ² / 24 hrs)
Elongation: ASTM D412-06a (2013)	> 400 %
Tensile Strength ASTM D412-06a (2013)	2 MPa
Elastic Recovery %: ASTM D412-06a (2013)	95
Tear Resistance ASTM D624-00 (2012)	10 KN/m
Shore A Hardness ASTM D2240-05 (2010)	> 32
Aged Hardness: ASTM D2240-05 (2010)	38
Service Temperature	-40 to 70°C

Usage Instructions

Surface Preparation

All surfaces where Vetoproof UM766 has to be applied must be clean and have an open capillary system. Eliminate laitance, dirt, grease and other loose materials by means of high pressure water jetting or wet sand blasting. Defective concretes such as cracks and honeycombs, etc. has to be chased out and repaired prior to the application.

Priming

Priming is not usually required on good quality concrete substrates. However, for highly porous or absorbent concrete use use Vetoseal XX777-50.

Application

Vetoproof UM766 should be applied by brush, trowel or a gaged spreader at a thickness of 0.7mm. Glass fiber scrim and joint tapes can be used on corners and critical areas for reinforcement of the membrane.

Tiling over Vetoproof UM766 is possible, in such cases sharp sand needs to be sprayed over Vetoproof UM766 while still wet, 24 hours later all excess sand is to be removed and a suitable tile adhesive from Saveto range can be used to bond the tiles directly over the membrane.

Curing

Vetoproof UM766 must be allowed to cure for a minimum of 24 hours prior to placing protection. Where damage to the membrane is possible; the membrane needs to be protected by a cementitious screed or protection boards.

Note: Vetoproof UM766 is not resistant to UV light.

Cleaning

All tools employed for the application of Vetoproof UM766 can be cleaned with Vetonit Solvent XX400 before it hardens otherwise mechanical means are needed.

Packaging & Coverage

Product	Pack Size	Theoretical Coverage
Vetoproof UM766	20 Liters Pails	1.4m ² /L @ 0.7mm thickness

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 bag of Vetoproof UM766 has a shelf life of 6 months provided it is stored in original sealed containers clear of ground in a dry and shaded place below 35°C.

Health & Safety

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 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.

Vetoproof UM766 is flammable, do not use near to open flames. Refer to product MSDS for further information.

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