Vetoproof UM770

Pure PU high performance single-component cold liquid applied waterproofing membrane

Uses

- Wet areas: kitchens, bathrooms, swimming pools, etc.

- Basements, tunnels, subways, and culverts. inverted roofs, suspended slabs, balconies.

- Tanking systems, flooring with pedestrian traffic.

- Suitable for surface with stagnant water, roofs, terrace, flowerbeds, roof with polyurethane insulation foam.

- Use for internal and external areas.

Product Description

Vetoproof UM770 is a premium quality single-component polyurethane waterproofing membrane; the product is a cold liquid applied that cures by reaction with atmospheric moisture to form a highly elastic rubbery jointless waterproofing membrane.

Advantages

- Easy to apply with brush, roller, or airless spray.

- A jointless application that is easy to detail.

- Crack bridging highly elastic membrane at various temperatures.

- Non-staining and pitch free formulation.

- Outstanding barrier properties ensure protection against corrosive soil conditions.

- Easy to repair and maintain.

- Fully bonded, prohibiting lateral migration of water.

- Thermally and chemically stable, resistant to oxidation and embrittlement.

- Excellent adhesion to wide range of construction materials.

Standards Compliance

- ASTM C836

Technical Data

Vetoproof UM770	Typical Values @ 25°C, 50% RH
Color	Black, white, gray
Tack Free Time (Hours)	3
Specific Gravity	1.4 ± 0.2
Skin Over Time (Minutes)	90
Solid Content (by weight %)	90
Permeability ASTM E96	0.035
Water Vapor Transmission ASTM E96 (gm/m²/24 hrs.)	9.6
Elongation ASTM D412 (%)	> 400
Tensile Strength ASTM D412 (MPa)	2.00
Application Temperature (°C)	5 to 40
Adhesion in peel (Concrete) - ASTM C794 (N)	92.3
Shore A Hardness: ASTM D2240	> 40
VOC Content (gm/liter)	< 150
Service Temperature (°C)	-20 to 80
Re-coat interval (Hours)	4

Usage Instructions

Surface Preparation

All surfaces to be applied with Vetoproof UM770 must be clean and have an open capillary system. Eliminate laitance, dirt, grease, and other loose materials using high-pressure water jetting or wet sandblasting. Defective concretes such as cracks and honeycombs have to be chased out and repaired before the application.

Priming

Priming is not usually required on good quality concrete substrates; however, for highly porous or absorbent concrete, use Vetoseal XX777-50. Or mix 1 part of Vetonit Solvent XX400 with 3 parts of Vetoproof UM770 and use as primer.

Application

Apply Vetoproof UM770 by a brush, roller, or an airless spray gun. Use glass fiber scrim and joint tapes on corners and critical areas for membrane reinforcement.

Tiling over Vetoproof UM770 is possible; in such cases, spray sharp sand over Vetoproof UM770 while still wet, 24 hours later, remove all excess sand, and use a suitable tile adhesive from Saveto Tiling Systems Product Range to bond the tiles directly over the membrane.

Curing

Allow Vetoproof UM770 to cure for a minimum of 24 hours before placing the protection. Protect the membrane with a cementitious screed or protection boards where damage to the membrane is possible.

Cleaning

Clean all tools employed to apply Vetoproof UM770 with Vetonit Solvent XX400 before it hardens; otherwise, mechanical means are needed.

Packaging & Coverage

Product	Pack Size	Theoretical Coverage
Vetoproof UM770	15 Liter Pail	0.9 m^2/liter @ 1 mm thickness **Note:** Maximum thickness per coat is 250 microns

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

Shelf Life & Storage

The original sealed pail of Vetoproof UM770 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

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 provides 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 the eyes, rinse immediately with plenty of clean water and seek medical advice. If swallowed, seek medical attention immediately - Do not induce vomiting.

Vetoproof UM770 & Vetonit Solvent XX400 are flammable, do not use near to open flames.

Refer to product 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.

Legal Disclaimer