



Vetoproof CM740

Single component elastomeric crack-bridging cementitious waterproof membrane

Uses

- Waterproof lining for swimming pools, water tanks, dams, canals,...etc.
- Wet-areas waterproofing while receiving tile adhesives and other renders.
- Protecting concrete and masonry structures against ingress of chloride ions and carbonation.
- As a crack isolation membrane in tile fixing assemblies

Product Description

Vetoproof CM740 is a single component flexible polymer modified cementitious waterproof membrane, it has unique crack bridging characteristics even after long term water immersion. The product is suitable for use and contact with potable water and can withstand negative hydrostatic pressure. The product also complies with the requirements of ANSI 118.12 for crack isolation and use it in tile fixing assemblies.

Advantages

- Non-Toxic - approved in contact with drinking water.
- Flexible, crack bridging.
- Waterproof.
- Ready to receive tile adhesives and further renders.
- Withstands high positive and negative hydrostatic pressures.
- Easy application by brush, roller trowel or spray.
- Bonds to green or damp concrete.
- Effective barrier to sulphates and chlorides.
- Excellent bond to concrete and masonry.
- Used as a crack isolation membrane in tile fixing assemblies.

Standards Compliance

- EN 1992-3:2006 - Eurocode 2. Design of concrete structures. Liquid retaining and containing structures
- EN BS 6920 - Elevated temperatures.
- DIN 1048 : Water Penetration Test.
- Fire Tested to BS476 : Parts 6 -2009 and 7-1997.
- ANSI 118.12 - High Quality classification

Technical Data

Vetoproof CM740	Typical Values @ 20°C
Pot Life	2 Hours
Density	1.85 kg/Ltr approx.
Toxicity - BS6920	Pass
Chloride content	Nil
Resistance to positive water pressure DIN1048	>8 Bar
Resistance to negative water pressure DIN1048	> 3 Bar
Static crack accommodation	> 3 mm
Dynamic crack accommodation	0.75 mm
Abrasion resistance ASTM D4060	Equivalent to 40 N/mm ² concrete
Chloride Diffusion	No penetration after 24 months
CO ₂ Diffusion	>80 m of concrete
Bond Strength	Higher than concrete cohesive strength
Application temperature	Minimum + 5°C
Harmful to EEC 88/379	No
Volatile Organic Content (VOC)	<10 gm / Liter

Usage Instructions

Surface Preparation

All surfaces should be dry and free from contamination such as oil, grease, loose particles, decayed matter, moss algal growth, laitance, and all traces of mold release oils and curing compounds. This is best achieved by lightly grit-blasting the surface. Where moss, algae or similar growths have occurred, treatment with a proprietary biocide should be carried out after the grit-blasting process. Spalled and deeply disintegrated concrete should be removed to sound concrete and repaired with a Saveto repair system. For further advice, consult the local Saveto office. It is essential that all surfaces to receive Vetoproof CM740 be pre-soaked with clean water prior to application of Vetoproof CM740.

Mixing

5 to 7 liters of fresh clean water shall be poured into a suitably sized mixing container. Commence mixing with a propeller agitator attached to a slow speed drill (300-500 rpm). The powder component should be added gradually to the liquid to avoid lump formation and mixed for 2 to 4 minutes. Vetoproof CM740 should be immediately used after mixing. Do not mix more material than can be used within the pot life. Keep mixing Vetoproof CM740 during the application.

Application

For best results, surfaces should be damp. In order to obtain the protective properties of Vetoproof CM740 it is important that the correct rates of application are observed. Use a short stiff brush preferably 120 - 200 mm width and apply in two or three coats as required. Spray or trowel applications should use the correct mixing ratio to obtain satisfactory consistency. In hot climatic conditions, it is likely that spray application will be the best for exterior decorative finishes. Nozzle size should be 3 - 4 mm and pressure of 6 - 8 bars should be used.

The application of Vetoproof CM740 should not commence if the temperature of the substrate is below 5°C. Application of Vetoproof CM740 on hot substrates, i.e. over 40°C surface temperature will need the application of a primer coat of mixed Vetoproof CM740 and water in slurry like consistency and apply Vetoproof CM740 over the primer whilst it is still wet. It is recommended that for general resurfacing each coat should be 1 mm thick. Areas subjected to light foot traffic should receive at least 2 mm thickness of

Vetoproof CM740 and an additional 2 mm should be applied if conditions are moderate to heavy pedestrian traffic. The membrane can be reinforced using a 2x2 or 4x4 acrylic coated glass fiber mesh of 140 - 180 gm/m² immersed in between coats. If in doubt about the condition of the substrate, consult Saveto technical department for any additional information.

Cleaning

Clean tools with water promptly before material hardens. Hardened material can be mechanically removed.

Packaging & Coverage

Product	Pack Size	Coverage
Vetoproof CM740	20 Kg Bag	15 m ² /bag/mm

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

Shelf Life & Storage

Original sealed container of Vetoproof CM740 and has a shelf life of 12 months provided it is stored clear of ground in a dry shaded place below 35°C.

Limitations

- Do not apply the product at temperature less than +5°C.
- For further information contact our technical department.

Health & Safety

Vetoproof CM740 contains cement powders which, when mixed or become damp, release alkalis which can be harmful to the skin. During use, avoid inhalation of dust and contact with skin and eyes. Wear suitable protective clothing, gloves, eye protection and respiratory protective equipment. 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. In case of contact with eye, rinse immediately with plenty of clean water and seek medical advice. If swallowed, seek medical attention immediately – do not induce vomiting.

Vetoproof CM740 is non-flammable.

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