



Vetoproof CM741

Single component penetrating waterproofing system for concrete

Uses

- On concrete and cementitious substrates.
- Swimming pools.
- Reservoirs and water tanks.
- Canals, harbors and dams.
- Concrete pipes.
- Tunnels.
- Retaining walls.

Product Description

Vetoproof CM741 provides total and permanent waterproofing solution to water leakage, ingress or seepage in concrete structures or any cementitious substrates due its unique, surface applied penetrative capillary water proofing system. Vetoproof CM741 works through internal crystallization that seals the pores and hairline cracks in the concretes thus blocking effectively further passage of water. The active chemical that made up Vetoproof CM741 serves as a catalyst to reactivate crystallization process every time water penetrates into the structure through newly formed capillaries therefore ensuring permanent water tightness.

Advantages

- Non-toxic and does not contain any momentary organic components.
- Excellent resistance to freeze-thaw cycles.
- Can be applied even on damp substrate.
- Guarantees permanent water sealing of concrete.
- Can be applied on all structurally sound concrete whether old or new.
- Active components present in the watertight concrete reactivates upon impact with water
- Treated concrete is completely watertight after 5 days.
- Highly resistant to deicing salts, sulphuric acid and hydrochloric acid during at least 35 days.
- Shields concrete and reinforcement from corrosion due to water.

Standards Compliance

- ASTM D4799
- ASTM E96
- ASTM D4060

Technical Data

Vetoproof CM741	Typical Values @ 25°C
Pot Life	60 Minutes
Density	1.6 kg/Ltr approx.
Chloride content	Nil
Water Resistance at 5 bar EN12390-8:2009	Pass for positive and negative pressure
Long Term Water Permeability	Nil
Water Absorption	0.0008
Water Vapor Transmission ASTM E96	<25 g/m ² @ 29 hours
Application temperature	Minimum + 5°C

Usage Instructions

Surface Preparation

All surfaces where Vetoproof CM741 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. In addition, make sure that all surfaces must be damp but not totally wet before progressing the work.

Application

In the event that the use of masonry brush is the method for application, mix 7 - 7.5 liters of water with 25 kg of Vetoproof CM741, while when a power spray gun is being used, prepare a mixture of 8 - 8.5 liters of water with 25 kg of the product.

Mix only as much product as necessary and ensure to stir the mixture regularly. In the event that the mixture starts to set, it is not advisable to add more water, instead simply re-stir the prepared mixture in order to reinstate its workability.

Apply Vetoproof CM741 into two coats with the use of a masonry brush or power spray gun. Make sure to apply the second coat while the first coat is still "green".

All areas where Vetoproof CM741 is applied should be kept damp, protected against direct exposure from sunlight, wind and frost by covering the area with polythene sheeting, damp hessian cloth etc. for a period of 5-7 days.

Ensure that the period between the application of the first and second layer is between 3 - 4 hours at a temperature of 20°C.

Cleaning

All tools employed for the application of Vetoproof CM741 can be cleaned with water before it hardens otherwise mechanical means are needed.

Packaging & Coverage

Product	Pack Size	Yield
Vetoproof CM741	50 Kg Bags	1.6 kg /m ² / 1 mm 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 CM741 has a shelf life of 12 months provided it is stored clear of ground in a dry and shaded place below 35°C.

LEGAL DISCLAIMER

Saveto endeavors to ensure that any advice, recommendations, information it may give, is accurate and correct. It cannot accept any liability either directly or indirectly arising from the use of its products, because it has no direct or continuous control over where or how its products are applied, whether or not in accordance with any advice, specification, recommendation or information given by us. Saveto has the right to change any of the specifications mentioned in the Technical data sheets upon its discretion without prior notification. Hard copies of TDSs are printed once or twice a year, while our technical data sheets are continuously being updated as per R&D improvements and new 3rd party testing; kindly refer to our website for the latest updated TDSs.

Limitations

- Do not apply Vetoproof CM741 on temperatures below 5°C.
- Vetoproof CM741 could not be used as an additive to concrete or plasters.
- Vetoproof CM741 is not suitable for use as curing compounds.

Health & Safety

Vetoproof CM741 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 CR741 is non-flammable.

Additional Information

Saveto manufactures a wide range of construction chemicals and specialty products for various applications divided into the following product groups:

- Concrete Repair, Grouts and Enhancement.
- Wall & Facade Systems.
- Flooring and Coating Systems.
- Sealants and Joints.
- Plasters & Renders.
- Putties & Finishes.
- Tiling Systems
- Waterproofing.
- Primers & Ancillary Products.
- Specialty Products.

Saveto also provides various technical information such as CAD details, detailed method statements, specification clauses, application manuals, product selectors and technical support both in contractors and consultants offices as well as construction sites.

For further information on these products and systems kindly check our website or contact your local Saveto representative.