



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 a total and permanent waterproofing solution to water leakage, ingress, or seepage in concrete structures or any cementitious substrates due to its unique, surface-applied penetrative capillary waterproofing system. Vetoproof CM741 works through internal crystallization that seals the concrete's pores and hairline cracks, thus effectively blocking water passage. The active chemical that made up Vetoproof CM741 catalyzes to reactivate the crystallization process every time water penetrates 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.
- It can be applied even on the humid surface.
- Guarantees permanent water sealing of concrete.
- It can be applied to all structurally sound concrete, whether old or new.
- Active components present in the watertight concrete reactivates upon impact with the 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

- ASTM D4799
- ASTM E96
- ASTM D4060

Technical Data

Vetoproof CM741	Typical Values @ 25°C
Pot Life (Minute)	60
Density (kg/Ltr approx)	1.6
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 @ 29 hours (g/m ²)	<25
Application temperature (°C)	Minimum + 5

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 utilizing high-pressure water jetting or wet sandblasting. Defective concretes such as cracks and honeycombs, etc., have to be chased out and repaired before the application. Also, make sure that all surfaces must be damp but not totally wet before progressing the work.

Mixing

If the application method is by using a masonry brush, mix 7-7.5 liters of water with 25kg of Vetoproof CM741, while when using a power-spray gun, prepare a mixture of 8 - 8.5 liters of water with 25kg of the product.

Mix only as much product as necessary and ensure to stir the mixture regularly. If the mixture starts to set, it is not advisable to add more water; instead, re-stir the prepared mixture to reinstate its workability.

Application

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".

Keep all areas where Vetoproof CM741 is applied 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 applying the first and second layer is between 3 - 4 hours at a temperature of 20°C.

Cleaning

Clean all tools employed to apply Vetoproof CM741 with water before it hardens; otherwise, mechanical means are needed.

Legal Disclaimer

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Hard copies of TDSs are printed once or twice a year. Our technical data sheets are continuously updated as per R&D improvements and new 3rd party testing; kindly refer to our website for the latest updated TDSs.

Packaging & Coverage

Product	Pack Size	Yield
Vetoproof CM741	25 Kg Bags	1.6 kg/ m ² /1mm thickness

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 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.

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 that release alkalies that can be harmful to the skin when mixed or become damp. 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 provides additional skin protection. In case of skin contact, rinse with plenty of clean water, then cleanse with soap and water. In case of contact with the eye, rinse immediately with plenty of clean water and seek medical advice. If swallowed, seek medical attention immediately - do not induce vomiting.

Vetoproof CR747 is non-flammable.

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.