



Vetoproof S

Two-component, elastomeric, crack-bridging, cementitious waterproofing membrane

Uses

- Waterproofing lining for swimming pools (under tiling), water tanks, canals,...etc.
- Wet areas waterproofing before applying Vetonit tile adhesives.
- Protecting concrete and masonry structures against ingress of chloride ions and carbonation.
- Negative hydrostatic pressure resistance.

Product Description

Vetoproof S is a two-component flexible polymer acrylic modified cementitious waterproofing coating. It has unique crack bridging characteristics even after long-term water immersion. The product is suitable for use in contact with potable water and can withstand negative hydrostatic pressure.

Advantages

- Non-toxic - approved for contact with drinking water.
- Flexible, crack bridging material.
- Ready to receive Vetonit tile adhesives.
- Withstands hydrostatic pressures.
- Easy application by brush or roller.
- Bonds to green or damp concrete.
- Effective barrier to sulfates and chlorides.
- Excellent bond to concrete and masonry.

Technical Data

Vetoproof S	Typical Values @ 20°C
Pot Life (Minutes)	45 - 60
Mixed Density (kg/liter)	1.7 Approx.
Toxicity - BS6920	Pass
Chloride Content	Nil
Resistance to Positive Water Pressure DIN1048 (Bar)	> 8
Resistance to Negative Water Pressure DIN1048 (Bar)	> 3
Chloride Diffusion	No penetration after 24 months
Application Temperature (°C)	5 to 35

Standards Compliance

- EN 1992-3:2006 - Eurocode 2. Design of concrete structures. Liquid retaining and containing structures
- EN BS6920 - Elevated temperatures
- EN 1504-2 (Surface protection systems for concrete)

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, please treat it with a proprietary biocide after the grit-blasting process.

Remove spalled and deeply disintegrated concrete to sound concrete and repair it with a Saveto Repair System. Stop any running water with a suitable plugging mortar such as Vetoproof CR747.

For further advice, consult the local Saveto office.

Pre-wetting of the substrate

Thoroughly dampen the substrate surface with water using a brush, roller, or spray bottle. High-porosity substrates will require more dampening than dense substrates. Do not apply the coating when the substrate is wet, but allow the water to soak until the substrate is just visibly damp before proceeding. Remove any excess water by using a sponge.

Mixing

Shake Vetoproof S liquid concentrate and completely pour it from the plastic container into a suitably sized mixing container. Commence mixing with a propeller agitator attached to a slow speed drill (300-500 rpm). Add the powder component gradually to the liquid to avoid lump formation and mix for 2-4 minutes. Immediately use Vetoproof S after mixing to avoid settlement of sand. Partial mixing is not allowed; mix the whole kit. Do not mix more material than can be used within the pot life. Keep mixing Vetoproof S during the application.

Application

Apply the first coat at a wet film thickness of 1 mm (approximate coverage per coat is 1.7 kg/m² or 1 liter/m²).

To ensure achieving the correct thickness, measure out an area (for example, 200 m²) then calculate how much material will be needed to cover this area. Monitor the coating thickness during application at regular intervals using a wet film gauge. During application, take care of filling the imperfections such as blowholes. If not, fill them while the coating is still in fluid status by using a dry sponge. If the coating dried before finding these imperfections, fill them using fresh material.

The exact drying time will depend on surface temperature, relative humidity, and air movement. High temperatures and/or low humidity will reduce the drying time. This can vary from 1 to 16 hours. Leave the first coat to dry until firm and non-markable to the touch. There is no maximum time between coats; however, the surface may need cleaning

with water before applying the second coat to remove potential contamination.

Apply the second coat at a wet film thickness of 1 mm. Pre-dampening of the surface is not necessary before applying the second coat.

However, Vetoproof S is self-curing; it protects the freshly applied coating from rain and strong wind until it becomes firm to the touch.

Brush application

The most suitable brush is a soft-bristled wallpaper paste brush (220 mm wide and 50 mm deep). Where larger areas are to be applied, it is advisable to use a brush with a handle. Load the brush up well and spread the material to the required thickness. If the brush begins to drag during the application, do not add water to the material but dampen the surface again. Finish in one direction for a neat appearance.

Roller application

Application by roller has the benefit of greater speed over brush application, particularly on smooth substrates. A good quality medium hair roller is recommended. Load the roller well for ease of application. A heavy roller will leave a pattern on the substrate; therefore, it is important to use a finishing tool to produce a smooth coating with a uniform 0.75 mm wet film thickness.

Curing

Allow the Vetoproof S to cure for at least 28 days before commissioning.

Cleaning

Immediately following the application, clean all tools and equipment with clean water. Hardened material can be removed by mechanical means.

WATERPROOFING

Packaging & Coverage

Product	Pack Size	Coverage
Vetoproof S	20 kg kit	1.7 kg/m ² /coat @1 mm thickness

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

Shelf Life & Storage

The original sealed bag and container of Vetoproof S have a shelf life of 12 months, provided they are stored off the ground in a dry, shaded place below 35°C.

Limitations

- Do not apply the product at a temperature less than +5°C.
- It is recommended to use fiberglass mesh in areas with either small cracks or in regions under particular stress while the first coat is still wet.
- For further information contact our technical department.

Health & Safety

Vetoproof S powder is irritating to the eyes, respiratory system, and skin. Avoid inhalation of dust and wear suitable respiratory protective equipment.

Vetoproof S liquid is not classified as dangerous. Vetoproof S, when mixed, becomes highly alkaline. Wear suitable protective clothing, gloves, and goggles. Avoid contact with eyes or skin for both components and the mixed material. In case of eye irritation, immediately wash with a copious amount of clean, cold water and seek medical advice.

Vetoproof S is non-flammable.

For more information, refer to the material safety data sheet.

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

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 following any advice, specification, recommendation, or information given by us. Saveto has the right to change any of the technical datasheets specifications upon its discretion without prior notification.

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.