

# WATERPROOFING



## Vetoproof EC720

Waterproof epoxy wall, floor, & tank coating (Non-toxic & solvent-free)

### Uses

- To waterproof concrete, asbestos, cement, steel, and gypsum board surfaces.
- For water tanks & reservoirs.
- For clean rooms in hospitals.
- For food processing areas.

### Product Description

Vetoproof EC720 is a two-component, non-toxic, high-performance, & solvent-free epoxy coating system that adheres perfectly to concrete substrates. Once cured, the product develops excellent abrasion and chemical resistance. Vetoproof EC720 provides an attractive, hard-wearing, and easily cleanable hygienic coating.

### Advantages

- Non-Toxic.
- Easy to use.
- Easy to clean.
- Excellent chemical resistance.
- Jointless glazed glossy finish.
- Two-coat, color-coded system.
- Odorless & hygienic application.

### Standards Compliance

- EN BS 6920

### 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 done after the grit-blasting process. Replace spalled & deeply disintegrated concrete with sound concrete. You can use concrete that was repaired with a Saveto repair system. Use Vetorep ER350 to level minor irregularities & fill pinholes.

### Technical Data

Vetoproof EC720	Typical Values @ 20°C
Pot Life (Minutes)	50
Color	White, Blue & Grey
Mix Density (kg/liter)	1.5
Chloride conten	Nil
Solid Content (%)	100
Full Cure Time (Days)	7
Drying Time (Days)	7
Service Temperature (°C)	-20 to +70
Adhesion Strength (EN 1542) (N/mm <sup>2</sup> )	Higher than concrete cohesive strength
Application temperature (°C)	Minimum + 10
Recoat Window (Hours)	18 to 36
Harmful to EEC 88/379	No
Volatile Organic Content (VOC) (gm/Liter)	< 50

\* Shorter time needed if temperature is higher.

### Chemical Resistance

Chemical	Concentration	Result
Phosphoric Acid	10	Resistant
Lactic Acid	10	Resistant
HCL	30	Resistant
NaOH	40	Resistant
Petrol	-	Discoloration
Kerosene	-	Resistant
Distilled Water	-	Resistant
Chlorinated Water	-	Resistant/Discoloration
Sewage Water	-	Resistant

## Priming

Priming is not required for this product (provided the substrate is made from sound, prepared, of good quality, and non-porous concrete). However, if the concrete surface is porous, or the w/c ratio will become > 0.5 (it is recommended to use Vetoprime EP491 or EP490).

Vetoprime EP491 or EP490 should be mixed in the proportions we recommended. Add the entire contents of the hardener container to the base container. When thoroughly mixed (preferably using a slow-speed mixer), apply the primer in a thin, continuous film using rollers or stiff brushes. Work the primer well into the concrete's surface, and make sure to avoid ponding or over application. Leave the primer to achieve a tack-free condition before applying the topcoat.

## Mixing

Add component B to component A container, then use a slow-speed mixer to mix the base and hardener for 3 minutes. Mix these components in the quantities supplied, make sure that all containers are scraped clean. Do not add solvent thinners at any time.

## Application

Lay the first coat of Vetoproof EC720 using a shorthaired lamb wool roller or airless spray equipment to achieve a continuous coating & remove loose hairs on the roller before use. Apply a film of a minimum thickness of 200 microns per coat. Perpendicularly, apply the second coat to the first coat ensuring a minimum dry film thickness of 200 microns. It is recommended to use a different color for each coat to ensure complete coverage.

## Cleaning

Clean tools and equipment immediately after use with Vetonit Solvent XX400.

## Limitations

- As with all epoxies, Vetoproof EC720 will yellow when exposed to UV.
- Before filling the tank with water, Vetoproof EC720 must be fully cured for 7 days at 20°C.
- For steel substrate, it is recommended to use Vetoprime EP491.

## 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.

## Packaging & Coverage

Product	Pack Size	Consumption
Vetoproof EC720	15 liters kit	5 m <sup>2</sup> / Liter @ 200 microns
Vetoprime EP490	4 & 15 liters kit	5.5 m <sup>2</sup> / Liter @100 microns
Vetoprime EP491	4 & 15 liters kit	10 m <sup>2</sup> / Liter @100 microns

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

## Shelf Life & Storage

The original sealed kit of Vetoproof EC720 has a shelf life of 12 months, provided it is stored clear of the ground in a dry & shaded place in temperatures below 35°C.

## Health & Safety

Vetoproof EC720, Vetoprime EP491, Vetoprime EP490, and Vetonit Solvent XX400 should not come in contact with your skin or eyes. They should not be swallowed as well.

Ensure adequate ventilation & avoid inhalation of vapors. Some people are sensitive to resins, hardeners, and solvents. Wear suitable protective clothing, gloves, and eye protection. If working in confined areas, use suitable 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. Do not use solvents. In case of contact with your eyes, rinse immediately with plenty of clean water and seek medical attention. If swallowed, seek medical attention immediately - Do not induce vomiting. Vetonit Solvent XX400 is flammable. Keep away from sources of ignition & do not smoke around it. In the event of a fire, extinguish with CO<sub>2</sub> or foam. Vetoproof EC720 & Vetoprime EP491 are both 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.