

WATERPROOFING



Vetoproof EC722

Epoxy polysulphide elastomeric coating system

Uses

- Internal Protective lining for potable water, concrete tanks.
- Protective lining for ponds and swimming pools.
- Hard-wearing and chemically resistant protective coating.
- Heavy-duty protective coating for concrete in oil refineries, paper mills, garages, hospitals, hangers, manholes, sewage water tanks, and most liquid containment areas.

Product Description

Vetoproof EC722 is a two-component polysulphide modified epoxy protective coating for concrete surfaces. It is specifically developed as a lining and waterproofing coating for potable water retaining structures. Its flexibility and ease of application also make it ideal for use as a crack sealing coating.

Advantages

- Non-Toxic, solvent-free.
- Safe for use with potable water.
- Slightly flexible with the crack bridging ability.
- Excellent abrasion resistance.
- High bond strength to a variety of substrates.
- Superior chemical resistance.
- Good UV and weather resistance.
- Easily applied by brush or roller.

Standards Compliance

- EN 1504-2

Usage Instructions

Surface Preparation

The surface should be sound, clean, dry, and free from loose and flaking materials, efflorescence, laitance, curing compounds, dirt, oil, grease, or other contaminants. Wet substrates should be sponge dried to remove all free surface water, then air-dried. Treat oil or grease contamination with a degreaser followed by water or steam cleaning. Mechanical methods like grinding or grit/captive blasting to provide a suitable profiled open textured surface are strongly recommended.

Technical Data

Vetoproof EC722	Typical Values @ 20°C
Function	Top Coat
Solid Content (Volume%)	100
Recommended DFT/ coat (microns)	200-500
Pot Life @ 18°C/65°F	60 Min 4L Kit 50 Min 15L Kit
Pot Life @ 30°C/65°F	25 Min 4L Kit 22 Min 15L Kit
Thin Film (125µm) Dry Time (Hours)	20h @ 18°C/65°F 12h @ 30°C/86°F
Max Recoat/Topcoat Time @ 18°C/45°F (hours)	48h @ 18°C/45°F 24h @ 30°C/86°F
Elongation at 7 days ASTM D 412 (%)	60
Abrasion resistance ASTM D4060	Equivalent to 40 N/mm ² concrete
Chloride Diffusion after 24 months	No penetration
Tensile Strength at 7 days ASTM D412 (N/mm ²)	13
Hardness Shore D ASTM D2240	40
Service Temperature (°C)	-20 to 70
Color available	Blue, Grey, Light Grey, White
Density (kg/liter)	1.5
Full Cure (Days)	7
Tack Free Time (Hours)	2
Application Temperature (°C)	5 to 35

New concrete or cementitious surfaces should be at least 28 days old and have moisture content not exceeding 5%. The old or existing floor should be refurbished mechanically to ensure a clear sound substrate. Repair surface irregularities and blowholes with Vetorep ER350 or Vetorep ER351 (refer to Technical Data Sheet) for application details. Properly treat cracks, expansion joints, and control joints before application. When preparation is complete, ensure to remove dust from the surface using an industrial vacuum.

Priming

Vetoproof EC722 does not require a primer. For porous surfaces, apply 1 coat of Vetoprime EP490 at 11 m²/ Liter @ 50 microns DFT.

Add the Hardener (Part B) entire content to the Base (Part A) and mix thoroughly for at least 2 minutes using a drill and spiral mixing head. Apply the mixed material immediately to the substrate, using a medium or short hair roller. The primer should be well scrubbed into the substrate to ensure full coverage. If the substrate is very porous, apply a second coat of primer.

Allow the primer to be tack-free before overcoating with Vetoproof EC722.

Broadcast silica sand on top of Vetoprime EP490 to enhance adhesion of the topcoat.

Mixing

Vetoproof EC722 is supplied in two preweighed components. Thoroughly stir the contents of the base container. Pour component B hardener into Component A container and mix well with a mechanical jiffy-type mixer operated at low speed. Scrape the side of the container to ensure the entire product has been properly mixed. Remove any excess water using a sponge. Stop any running water with a suitable plugging mortar such as Vetoproof CR747. Contact the local Saveto office for further advice on other suitable water-stopping materials.

Application

After mixing, apply Vetoproof EC722 immediately by short-handed brush, or good quality rollers, or by airless spray to the surface. Ensure a continuous coating of uniform thickness. Apply the second coat as soon as the first coat has dried (within 8-10 hours), depending on the ambient and surface temperatures.

Apply Vetoproof EC722 System at a minimum total dry film thickness of 500 microns.

Apply the coating as a flexible crack bridging wear coat with an anti-slip finish for the parking deck system.

Legal Disclaimer

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Broadcast graded sand/quartz on the first coat while still wet; allow to dry completely. After overnight drying, brush away the excess sand/quartz, and then apply the second coat.

Cleaning

Remove Vetoproof EC722 from tools and equipment with Vetonit Solvent XX400 immediately after use. Remove hardened material mechanically.

Limitations

- As with all epoxies, Vetoproof EC722 will yellow when exposed to UV.
- Before filling the tank with water, Vetoproof EC722 must be fully cured for 7days at 20°C.

Packaging & Coverage

Product	Pack Size	Theoretical Coverage
Vetoprime EP490	4 liters kit	11 m ² / Liter @ 50 microns DFT).
Vetoproof EC722	4 & 15 liters kit	5m ² / Liter @ 200 microns 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 kit of Vetoproof EC722 has a shelf life of 12 months, provided it is stored clear of ground in tightly closed containers and a sheltered and dry place below 35°C.

Health & Safety

Vetoproof EC722 should not come into contact with skin and eyes or be swallowed. Ensure adequate ventilation and 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, cleanse with soap and water. Do not use solvent. In contact with the eyes, rinse immediately with plenty of clean water and seek medical advice. If swallowed, seek medical attention immediately. Do not induce vomiting.

Vetoproof EC722 is non-flammable.