





# 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 floor coating in industrial areas
- Heavy duty protective coating for concrete in oil refineries, paper mills, garages, hospitals, hangers, man holes, 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 lining and waterproofing coating for potable water retaining structures. Its flexibility and ease of application also make it ideal for use as crack sealing coating.

#### Advantages

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

### **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 degreaser followed by water or steam cleaning. Mechanical methods like grinding or grit/captive blasting in order to provide a suitable profiled open textured surface is strongly recommended.

New concrete or cementitious surfaces should be at least 28 days old and have moisture content not exceeding 5%. Old or existing floor should be refurbished mechanically to ensure clear sound substrate.

## **Technical Data**

Vetoproof EC722 System	Typical Values @ 25°C	
Function	Top Coat	
Solid Content (Volume)	100%	
Recommended DFT / coat (microns/mil)	200-500 / 4-8	
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/5mils) Dry Time (hours)	20h@ 18°C/65°F 12h @ 30°/86°F	
Max Recoat/Topcoat Time @ 18°C/45°F (hours)	48h@ 18°C/45°F  24h @ 30°/86°F	
Elongation at 7 days ASTM D 412	65%	
Tensile Strength at 7 days ASTM D412	13 N/mm <sup>2</sup>	
Tensile Strength ASTM C307	5,690 psi	
Hardness Shore D ASTM D2240	40	





Surface irregularities and blow holes shall be repaired with Vetorep ER350 or Vetorep ER351 (for application details refer to Technical Data Sheet). Cracks, expansion joint and control joints should be properly addressed, prior to application. After all preparation is complete, ensure dust is removed 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 a rate or  $6-9m^2/L$ .

Add the entire content of the Hardener (Part B) 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 over coating with Vetoproof EC722.

Broadcasting of silica sand on top of Vetoprime EP490 can be done to enhance adhesion of the top coat.

#### <u>Mixing</u>

Vetoproof EC722 is supplied in two preweighed components. Thoroughly stir the contents of the base can. Pour component B hardener into Component A pail and mix well with a mechanical jiffy.-type mixer operated at low speed. Scrape the side of the pail to ensure the entire product has been properly mixed.

#### **Application**

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

Vetoproof EC722 System must be applied at a minimum total dry film thickness of 500 microns.

The coating can be applied as a flexible crack bridging wear coat with an anti slip finish for the parking deck system.

Graded sand/quartz can be broadcasted on the first coat while it is still wet and allowed to dry completely. After overnight drying, the excess sand/quartz can be brushed away and the second coat be applied.

#### <u>Cleaning</u>

Vetoproof EC722 should be removed from tools and equipment with Vetonit Solvent XX400 immediately after use. Hardened material can only be removed 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 7 days at 20°C.

## Packaging & Coverage

Product	Pack Size	Theoretical Coverage
Vetoprime EP490	4 & 15 Liter Kit	6-9 m <sup>2</sup> /Liter
Vetoproof EC722	4 & 15 Liter Kit	5m <sup>2</sup> / Liter @ 200 microns 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 kit of Vetoproof EC722 has a shelf life of 12 months provided it is stored clear of ground in a tightly closed containers and in sheltered and dry place below 35°C

## Health & Safety

The product must be handled with caution. Use gloves, protective creams and goggles to avoid the contact with eyes and skin. All tools used in the preparation and application of Vetoproof EC722 must be cleaned with Vetonit Solvent XX400 before hardening.

In case of skin contact clean immediately with a resin removing cream, followed by soap and water.

In case of contact with eyes, use clean water to wash the eyes and seek doctor medical attention immediately.

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