

VX Savior Multi - EP is two components solvent free Epoxy. It is specially designed versatile epoxy binder. VX Savior Multi - EP can be used as liquid filled Structural crack, Primer for both Waterproofing and Flooring Products and Epoxy Paste with additional of Filler. VX Savior Multi - EP can be applied to damp and dry surfaces.

## USES

For Application in the following conditions :

- Structural Crack Injection both damp and dry Surfaces
- Priming of Concrete prior to application VX Guadian Waterproofing system
- With additional Filler for Segmented Bonding Concrete and as a sealing crack
- Rapid Structural Repair of concrete
- Steel bonding
- No Dilution needed at all

## FEATURES AND BENEFIT

- Many Uses – multi propose binder
- Able apply at damp and dry surfaces
- Solvent Free – Low VOC
- Low Viscosity for Crack injection and easy apply as primer
- Cures hard at application temperatures 4°C sd 35°C

## PACKAGING

VX Savior Multi - EP comes in 5 litre kit sizes part A & B

## SHELF LIFE

VX Savior Multi - EP can be stored in tightly closed original containers for 24 months at moderate temperature.

## PROPERTIES

Mixed resin and hardener	@ 23°C
Compressive Strength 7 days	93 MPa
Flexural strength 7 days	35 MPa
Tensile strength 7 days	62 MPa
Compressive Strength 24 hrs	55MPa
Heat deflection temp	80°C
Compressive modulus	3.4 GPa
Bond strength	>2.5 MPa (concrete failure)
Abrasion Resistance ASTM C779	0.24mm/30 mins.
Mortar Performance (A+B+filler)	@ 23°C
<b>Mortar F1 Filler</b>	
Compressive strength	64 MPa
Tensile strength	36 MPa

## **APPLICATION PROCESS**

### **Surface preparation & Mixing**

- Substrate must be fully cured (the concrete curing process is 28 days).
- General cleaning of the substrate, removing existing dust, dirt, grease or efflorescence. The substrates must be resistant and cohesive.
- Concrete spalling and honeycomb should be repair using VX Savior Multi – EP mortar
- Mix the two components using a mechanical shaker for approximately 4-5 minutes (medium speed) Extends in a single coat, using a notched trowel or rubber lip in a single thick coat. Consumption around 200-300 ml /sqm. Proportion part accurately mixing only what can be used in less than 30 minutes

### **Application**

The VX Savior Multi - EP may be placed in to concrete Crack using standard injection techniques.

Priming of Concrete prior to application VX Guadian Waterproofing system in a single coat using a notched trowel or rubber with consumption around 150-200 ltr/sqm. For applications on highly absorbent substrates the consumption will be more.

The VX savior Multi – EP can be mixed with special filler to get Paste formation and can be use as Structural thin patch repair , adhesive for both concrete - concrete or concrete - steel and sealing crack before injection

For other types of substrates, weather conditions or final use, consult our technical department

### **Curing**

Cure time will vary depending on the ambient temperature, quantity mixed and placed, and the rate of sand addition. VX Savior Multi - EP will have fully cured after 7 days at 23°C.

## HANDLING AND SAFETY

These safety recommendations for handling, are necessary for the implementation process as well as in the pre-and post, on exposure to the loading machinery.

- Respiratory Protection : When handling or spraying use an air-purifying respirator.
- Skin protection : Use rubber gloves, remove immediately after contamination. Wear clean body-covering. Wash thoroughly with soap and water after work and before eating, drinking or smoking.
- Eye / Face : Wear safety goggles to prevent splashing and exposure to particles in air.
- Waste : Waste generation should be avoided or minimized. Incinerate under controlled conditions in accordance with local laws and national regulations.

Anyway, consult the material and safety data sheet of the product (MSDS), or contact our technical department.