

VX Savior InjectMaster 1333 is a two-component solvent-free epoxy resin Injection grout designed for structural crack repair. Its low-viscosity ensures deep penetration, providing high bond strength and good adhesion to damp surfaces. With an extended pot-life, it allows for efficient injection, ensuring long-term structural integrity.

FEATURES AND BENEFITS

- **High Elastic Modulus** - Optimize stress transfer at the bond interface
- **High Heat Deflection Temperature (HDT)** - Resistance to creep under high service temperatures
- **Low Viscosity** - Penetrates microcracks <0.1mm effectively
- **High Bond Strength** - Ensures monolithic integrity of grouted areas'
- **Good Bond to damp surfaces** - Advanatges in humid environments
- **Long Potlife** - Sufficient time to penetrate deeply
- **Pre-Proportioned System** - Eliminates on-site mixing errors
- **Fast Curing** - Minimizes downtime for rapid service return.

RECOMMENDED USES

VX Savior InjectMaster 1333 is recommended for pressure injection grouting of fine cracks, cold joints, and voids in concrete structures to restore structural integrity and watertightness.

Applications include grouting of minute void for repair purposes:

- Cold joints between different concrete pours
- Stabilised cracks in structural elements
- Unfilled voids behind tiles, stone facades and joints
- Fine gaps around anchor bolts loosened due to improper grouting
- Gap behind steel late for epoxy plate bonding

PROPERTIES

Tensile Strength MPa	>12	
Compressive Strength (ASTM D 695) MPa	>70	
E Modulus in compression (ASTM D 695) MPa	>2300	
Flexural Strength (ASTM D 695) MPa	>25	
Bond Strength	Greater than the tensile strength of concrete	
	Part A	Part B
Supply form	Thin Liquid	Thin Liquid
Colour	Clear Amber	
Mix Ratio (A:B by volume)	1.35:1	
Density Mixed	1.05-1.09 kg/L	
Viscosity at 25°C	350cps	
Heat Deflection Temperature	60°C	
Minimum Application Temperature	5°C	
Pot life (1L pack) @ 25°C	>2.5 hours	
Cure time (ASTM D 695)	7	

APPLICATION

Surfaces preparation

Remove all grease, oil, dust, residual curing mould release agent or other contaminant impair adhesion of the injection ports. Injection Ports must be installed over 6-10mm diameter holes drilled at least 50-75mm into concrete element. For deeper penetration, deeper hole depths should be considered. Use **VX Savior Bondpaste** to adhere the injection ports over the drilled holes, ensuring the adhesive does not obstruct the holes. Allow **VX Savior Bondpaste** to cure before injecting.

The ports should follow the crack at intervals of 500mm or a maximum of 1m centres. Injection from the lowest or furthest point towards the centre checking for resin coming out of the next hole along. for detailed crack injection procedures, refer to the “MasterInject guide to crack injection” or consult with Vexcolt.

Mixing

Accurately proportion part kits, mixing only what can be used in less than 30 minutes. Thoroughly stir PartA, add Part B and blend thoroughly using a slow-speed mixer equipped with a suitable paddle

PACKAGING

Part A : 5.6Kg

Part B : 3 Kg

STORAGE

Store away from sources of heat and ignition in a shaded, dry, well enclosed area at moderate temperatures.

SHELF LIFE

The shelf life of VX Savior InjectMaster 1333 is 12 months. Store in a dry, elevated position on pallets, away from direct sunlight and moisture