

Ultra Low Viscosity Injection Epoxy

DESCRIPTION

TamRez 200 is an ultra-low viscosity epoxy injection resin, which allows for maximum penetration into hairline cracks and fractures.

TamRez 200 is best suited to cracks that are dry or damp, and exhibit no major long term movement. TamRez 200 can act as a barrier against water infiltration and shows no subsequent shrinkage in dry conditions.

KEY BENEFITS

- › Very low viscosity
- › Exceptionally good penetration down to 0.2 mm cracks
- › Excellent adhesion and non-shrink

TYPICAL APPLICATIONS

- › Injection into concrete cracks
- › Void filling (such as honeycomb concrete)
- › Concrete joints
- › Masonry defects

RELATED PRODUCTS & EQUIPMENT

- › Injection probes
- › Injection packers
- › Hand pumps and air driven pumps
- › Single piston pumps

Contact your local Normet representative for more details.

PACKAGING

The standard pack size is a 6.2 kg pack. Contains 5 kg of Part A and 1.2 kg of Part B.

STORAGE

TamRez 200 should be stored at room temperature (min 10°C and max 38°C), kept dry and out of direct sunlight. If these conditions are maintained and the product packaging is unopened, then a shelf life of 12 months can be expected.

APPLICATION GUIDELINES

PREPARATION OF SURFACES

Surface preparation is essential for good adhesion of an epoxy system. Intended injection sites should be mechanically cleaned by sandblasting, or pressurised air prior to the adhesion of injection ports. All loose or unsound material must be removed and the injection site dry and dust free to ensure a superior bond.

CONDITIONING

Prior to injection, condition all materials at appropriate temperatures (20°C-25°C) for at least 12 hours. Any variation on this will have a significant effect on the open times and may prolong curing times.

Standard injection or application can be undertaken at ambient temperatures from 10°C to 25°C. Where ambient temperatures are above 25°C, the pot life will be reduced. Consideration should also be given to the temperature of the substrate being injected as this will influence the resins cure time.

MIXING

Mix each individual component using a paddle drill for at least three minutes before use. This ensures a homogenous material. It is recommended to only use full pack sizes with a single piston pump.

Alternatively add the proper volumetric ratio of Part A to Part B in a large mixing container (plastic preferred) and mix for a further 3 minutes. Longer mixing times may be required in cooler ambient conditions.

Ensure that the quantity of material mixed can be used within the open time.

INJECTION

For injection process follow the pump and injection system process. For further information, contact your local Normet Representative.

CLEANING

It is recommended that all equipment is cleaned with TamRez Cleaner as soon as possible after use.

HEALTH & SAFETY

TamRez 200 should only be used as directed. We always recommend that the Safety Data Sheet (SDS) is carefully read prior to application of the material. Our recommendations for protective equipment should be strictly adhered to for your personal protection. The Safety Data Sheet is available upon request from your local Normet representative.

TECHNICAL DATA

Physical Appearance			
	Part A	Part B	Mixed
Density [EN ISO 2811]	1.14 kg/L	0.88 kg/L	1.05 kg/L
Viscosity [EN ISO 3219]	≤ 500 mPa·s	≤ 20 mPa·s	≤ 200 mPa·s
Appearance	Clear Liquid	Clear Liquid	Clear Liquid
Volumetric Mix Ratio	4	1	

Physical Properties		
Non Volatiles Content [BS EN ISO 3521]	> 95%	
Injectability [EN 1771]	At 0.75 Bar, 0.2 mm Cracks Dry and Non Dry Mediums	
Pot Life [EN ISO 9514]	65 - 100 minutes at 20°C <i>Pot Life will change with temperature</i>	
Adhesion to concrete [EN 12618-2]	Dry	≥ 2 MPa
	Damp	≥ 2 MPa
	Wet	≥ 2 MPa
Compressive Strength [EN 12190] 40 mm Cube	> 90 Mpa	
Tensile Strength [EN527-1]	> 55 MPa	

All technical data stated herein is based on tests carried out under laboratory conditions at 20°C.