

## Ultra Low Viscosity Injection Epoxy

### DESCRIPTION

TamRez 200FS is an ultra-low viscosity epoxy injection resin, which allows for maximum penetration into hairline non-dynamic cracks in concrete, masonry and similar substrates. TamRez 200FS is high strength and moisture tolerant.

### KEY BENEFITS

- › Ultra low viscosity
- › Exceptionally good penetration
- › Moisture tolerant
- › High bond strength
- › Non-shrink
- › Excellent chemical resistance

### TYPICAL APPLICATIONS

- › Injection of concrete and masonry cracks
- › Void filling (such as honeycomb concrete)
- › Delaminated surfaces
- › Re-bonding tiles and floor screeds

### RELATED PRODUCTS & EQUIPMENT

- › Injection packers
- › Injection capsules
- › TamRez 310EU
- › Single piston pumps
- › Dual piston pumps
- › TamRez Cleaner

### PACKAGING

The standard pack size is a 6.4 kg pack.  
[Contains 5 kg of Part A & 1.4 kg of Part B]

Other packaging options may be available from your local Normet representative.

### STORAGE

TamRez 200FS 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.

### HEALTH & SAFETY

TamRez 200FS 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.

### APPLICATION GUIDELINES

#### PREPARATION OF SURFACES

As with any epoxy resin system, surface preparation is critical. Concrete surfaces or cracked sidewalls to which this product is to be applied should be cleaned by air or water. This will ensure a superior bond after the resin has cured.

Concrete surfaces, which require sealing with injection resin should be cleaned by mechanical means prior to application.

TamRez 200FS is moisture insensitive and will bond to damp surfaces although dry conditions are desirable.

For additional injection techniques, contact your local Normet representative.

#### 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 5°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 before use. This ensures a homogenous material.

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.

## TECHNICAL DATA

Physical Appearance			
	Part A	Part B	Mixed
Density [EN ISO 2811]	1.1 – 1.2 kg/L	0.85 - 0.95 kg/L	1.05 kg/L
Viscosity [EN ISO 3219]	<600 mPa·s	<50 mPa·s	≤200 mPa·s
Appearance	Clear Liquid	Clear Liquid	Clear Liquid
Approximate Weight / Weight Mix Ratio	4	1	
Approximate Volumetric Mix Ratio	3	1	

Physical Properties		
Non Volatiles Content [BS EN ISO 3521]	> 95%	
Injectability [EN 1771]	At 0.75 Bar, 0.2mm Cracks Dry and Non Dry Mediums	
Pot Life [EN ISO 9514]	20 - 30 minutes at 20°C <i>Pot Life will change with temperature.</i>	
Adhesive Bond [EN 12618-2]	Dry	≥ 3 MPa
	Damp	≥ 3 MPa
	Wet	≥ 2 MPa
	Water Filled	≥ 2 MPa
Compressive Strength [EN 12190] 40 mm Cube	> 90 Mpa	
Tensile Strength [EN527-1]	> 35 MPa	
Elongation at Break [EN527-1]	2%	

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