

High Strength All Weather Injection Epoxy

DESCRIPTION

TamRez 240 is a high modulus epoxy resin designed for injection into non-moving cracks in concrete structures.

TamRez 240 has a low viscosity which allows for maximum penetration into small cracks.

TamRez 240 exhibits extremely high strength in its fully cured state, which allows it to restore structural integrity.

KEY BENEFITS

- › Moisture insensitive
- › High bond strength
- › Non-shrink
- › Excellent chemical resistance

TYPICAL APPLICATIONS

- › Injection into cracks
- › Concrete repair
- › Joint reinstatement
- › Pre-cast members
- › Substrate primer

RELATED PRODUCTS & EQUIPMENT

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

PACKAGING

The standard pack size is 7.3 kg pack. (Contains 5 kg of Part A and 2.3 kg of Part B)

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

STORAGE

TamRez 240 should be stored at room temperature (min 10°C and max 30°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 240 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.

Whilst any information and/or specification contained herein is to the best of our knowledge, true and accurate, we always recommend that a trial be carried out to confirm suitability of the product. Please note regional climatic conditions may cause a variation in the performance of the product. No warranty is given or implied in connection with any recommendations or suggestions made by us or our representatives, agents or distributors. The information in this data sheet is effective from the date shown and supersedes all previous data. Please check with your local Normet office to confirm that this is current issue.

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.

CONDITIONING & TEMPERATURE LIMITATIONS

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 15°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 twin 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.

High Strength All Weather Injection Epoxy

TECHNICAL DATA

Physical Appearance				
	Part A	Part B	Mixed	
Density [EN ISO 2811]	1.0 - 1.1 kg/L	1.0 - 1.1 kg/L	1.0 - 1.1 kg/L	
Viscosity [EN ISO 3219]	1000 – 1500 mPa·s	500 – 750 mPa·s	@10°C	6800 mPa·s
			@15°C	3200 mPa·s
			@20°C	1700 mPa·s
			@25°C	1000 mPa·s
			@30°C	700 mPa·s
Appearance	Clear Liquid	Amber Liquid	Yellow Liquid	
Approximate Weight/ Weight ratio	2.2	1		
Approximate Volumetric Mix Ratio	1.4	1		

Physical Properties		
Non Volatiles Content [BS EN ISO 3521]	> 95%	
Injectability [EN 1771]	At 0.75 Bar, 0.3 mm Dry and Non Dry Medium	
Pot Life [EN ISO 9514]	40 - 50 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]	> 10 MPa	
Elongation at Break [EN527-1]	> 3%	

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

Whilst any information and/or specification contained herein is to the best of our knowledge, true and accurate, we always recommend that a trial be carried out to confirm suitability of the product. Please note regional climatic conditions may cause a variation in the performance of the product. No warranty is given or implied in connection with any recommendations or suggestions made by us or our representatives, agents or distributors. The information in this data sheet is effective from the date shown and supersedes all previous data. Please check with your local Normet office to confirm that this is current issue.