

DESCRIPTION

TamRez 90 is a non-solvent based, three-component high-build epoxy repair mortar, designed for structural repairs to both vertical and overhead applications. TamRez 90 is moisture tolerant achieving excellent adhesion to both dry and damp substrate surfaces.

KEY BENEFITS

- > High strength
- > Easy to apply and finish under a wide range of conditions
- > Suitable for vertical and overhead applications
- > Moisture tolerant
- > High strength
- > Non shrink
- > High adhesion to both dry and damp substrates

TYPICAL APPLICATIONS

- > Repair for overhead and vertical applications
- > Repair to spalled roads and runways
- > Repair to stair nosing
- > Repair to pre-cast elements

RELATED PRODUCTS & EQUIPMENT

- > TamRez Primer
- > TamRez Cleaner

TECHNICAL DATA

Physical Appearance				
	Part A	Part B	Part C	Mixed
Density [Standard] kg/L	1.1	0.95	2.5	1.65
Appearance	Clear Liquid	Yellow Liquid	Grey Powder	Grey Mastic
Volumetric Mix Ratio	2	1	10-12	
Physical Properties				
Non-volatiles Content [BS EN ISO 3521]	>95%			
Capillary Absorption [EN 13057]	<0.5kg·m ² ·h ^{-0.5}			
Elastic Modulus [EN 13412]	GPa			
Chloride Ion Content [EN 100715-17]	≤0.05%			
Pot Life (1Kg) [EN ISO 9514]	Hours			
Workability [EN 13395-1] [EN1015-3]	1.5L sample 113% / 125mm			
Compressive Strength [EN 12190] 40mm Cube	1 Day	>85MPa		
	7 Days	>90MPa		
Adhesive Bond [EN 1542]	≥2MPa			
Thermal Compatibility [EN13687-1]	≥2MPa			

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 90 is moisture insensitive and will bond to damp surfaces although dry conditions are desirable.

For additional injection techniques, contact your local Normet representative.

PACKAGING OPTIONS

The standard pack size is a 32.5kg pack.
[5kg of Part A, 2.5kg of Part B & 25kg of Part C]

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

CONDITIONING

All Normet epoxies should be optimised by using at between 20°C and 25°C.

Prior to application condition all materials at appropriate temperatures for at least 12hours.
Any variation on this will have a significant effect on the open times, and may prolong curing times.

MIXING

Mix each individual liquid components using a paddle drill before use - this ensures a homogenous material.

Add the appropriate 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. Immediately transfer to a suitable mixer, stir in the contents of Pack C, and continue mixing until a homogeneous material is obtained.

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

APPLICATION

Apply the mortar mix with a steel float, spatula or trowel. Use a tamping action to ram into place and compact well. Finish with a steel float to close up the surface.

CLEANING

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

STORAGE

This product 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 twelve months can be expected.

HEALTH & SAFETY

This product 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 Health & Safety data sheet is available upon request from your local Normet representative.