TamRez 310

Two-Component Thixotropic Epoxy

DESCRIPTION

TamRez 310 is a two-component product based on epoxy resins, selected fine-grain aggregates and special additives. It is high modulus, high strength, thixotropic epoxy putty designed for the surface sealing of cracks prior to injection, for surface spall repairs and bonding new concrete to old. It is moisture insensitive and will cure in a damp environment.

TamRez 310 is a high modulus, high strength epoxy gel designed for the surface sealing of cracks prior to injection, for surface spall repairs and bonding new concrete to old. It is moisture insensitive and will cure in a damp environment.

Clean, dry, silica sand may be added to develop a non-sag gel mortar, capable of overhead and vertical patching in layers up to two inches thick.

KEY BENEFITS

- Excellent adhesion
- Non-shrink
- Simple mix ratio ensures uniform mixing

TYPICAL APPLICATIONS

- Surface sealing prior to injection
- Patching spalls, honeycombing and pop-outs
- Setting vertical and horizontal anchor bars
- Bonding similar and different materials to concrete

TECHNICAL DATA

TamRez 310			
	Part A	Part B	Mixed
Colour	White	Dark Grey	Grey
Density	1.6	1.5	1.55
Mix Ratio			3:1 by volume
Pot Life (85g)			45 minutes
Setting time			2hr 45mins
Final Cure			2 days
Viscosity			Smooth paste
Hardness (Shore D)			75
Elongation due to pull-out test (ASTM D 638)			1%
Tensile Adhesion Strength (BS EN 1542: 1999)			2.5 MPa
Slant Shear Bond Strength 7 days (BS EN 12615:1999)			18MPa
Modulus of Elasticity under compression (ASTM C579)			8000 MPa
Modulus of Elasticity in Flexion (ISO 178)			4000 MPa
Compressive Strength (ASTM C579:2001)			
4 hours			25 MPa
24 hours			45 MPa
7 days			80 MPa

All technical data stated herein is based on tests carried out under laboratory conditions.

APPLICATION GUIDELINES

As with any Epoxy Resin system, surface preparation is critical. Sandblasting, water-blasting or other mechanical means should be used to clean the concrete surfaces. All loose or unsound material must be removed. If patching, the outer perimeter of the spall should be saw cut or chipped to near vertical. Surfaces should be dry and dust free to ensure a superior bond.

This product will cure in the presence of moisture although application onto wet surfaces is not recommended. The material can be applied easily with a trowel or putty knife.

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Mix the individual components Part A and Part B separately using a slow speed drill and paddle mixer for approx. 30 seconds. Add the proper ratio of Part A - resin to the Part B - Hardener in a large mixing container (plastic preferred) and mix for a further 3 minutes. Mix material for no less than 3 minutes. Longer mixing times may be required in cooler weather. The material can be applied easily with a trowel or putty knife.

SUBSEQUENT FINISHES / ONGOING MAINTENANCE

We recommend all equipment and tools be cleaned using TamRez Cleaner.

PACKAGING

TamRez 310 is supplied in 5 kg set.
Part A: 3.75 kg
Part B: 1.25 kg

Packaging size may vary subject to local regulations and requirements.

STORAGE

TamRez 310 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 one year can be expected.

HEALTH & SAFETY

TamRez 310 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.

YOUR LOCAL CONTACT DETAILS

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