

DESCRIPTION

TamRez 414 is a solvent free, 3 component-based epoxy mortar. It's designed using modified polymers to use as a thixo mortar where high strength is needed within very short time. Having fast curing property with ample workability suits for different site conditions. Gives excellent bonding with cementitious, metals and other substrates.

TamRez 414 exhibit extremely high strength in it's cured state which restore structural integrity.

KEY BENEFITS

- > Quick repairs due to fast set property
- > Can be applied in thin or thick layers
- > User friendly as designed in pre-packed version
- > Excellent bonding with concrete & metals
- > Excellent abrasion resistance
- > Excellent resistance to vibration

TYPICAL APPLICATIONS

- > Excellent bonding from old Concrete Surface or new concrete.
- > Dam Rehabilitation
- > Good bonding with all building materials
- > Excellent chemical resistance to water, sea water, wastewater, sewage, fuels, oils, dilute acids, and dilute alkalis

TECHNICAL DATA

TamRez 414		
Test	Specified Limit	
Color (after mixing)	Dark Grey	
Mixed Density (Kg/Litre)	~2.10	
Mixing Ratio (100gm)	Part A	18.8
	Part B	3.1
	Part C	78.1
Consistency	Thixotropic mortar	
Pot Life (Minutes)	@ 25°C	~60 min
Compressive Strength, (ASTM C 579) @ 25°C	1Day	≥ 90 MPa
	7 day	~95 MPa
Flexural Strength, (ASTM C 579) @ 7 days	~28MPa	
Tensile Strength, (ASTM C 579) @ 7 days	> 10 MPa	

All technical data stated herein is based on tests carried out under laboratory conditions 25°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.

APPLICATION GUIDELINES

TamRez 414 can be applied in temperature range 20°C - 30°C. If the atmospheric temperature/ substrate/ product temperature will go higher it will accelerate the curing time of the mix. If temperature will be below that 15°C then curing can be delayed after application.

Surface Preparation: Make sure that concrete surface must be free from dust, oil, grease, loose coarser aggregates & fine dust. For concrete substrate make sure that it must not be wet.

In few cases, it's suggested to use TamRez EPC product to increase mechanical bonding of the product with substrate prior to application. For details pls contact technical representative of Normet.

Mixing: Pour TamRez 414 Part A into a bucket & add TamRez 414 Part B into the container of TamRez 414 Part A and mix well with high-speed paddle mixer for 1-2 minutes. Then add TamRez Part C slowly and mix well for 2 – 3 minutes. Ensure that it mixed homogeneously. As its pre-weighed quantity hence recommended to mix full pack at site to avoid error and achieve said performance. Longer mixing may leads to entrapment of air bubbles. If happened, then wait for few minutes.

Application: It can be applied by trowel. For better results it is recommended to apply as per stated coverage consumption. We recommend to complete application of material within said time after mixing.

Demoulding: It is recommended to use TamCrete MRO as a mould releasing oil.

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

Placement

Depends on the area of application. Please consult your local Normet representative.

Cleaning

TamRez 414 should be removed from tools and equipment with clean water immediately after use.

PACKAGING

TamRez 414 is available in different packaging. Usually, it is available in pack size of 20 Kgs (Part A + Part B + Part C).

TamRez 414

Solvent Free, Thixotropic high Strength Epoxy Mortar

normet

CONSTRUCTION CHEMICALS

TECHNICAL DATA SHEET

TamRez 414 - Part A: 3.75 Kgs.

TamRez 414 - Part B: 0.625 Kgs.

TamRez 414 – Part C: 15.625 Kgs.

Pack size may vary subject to local regulations and requirements.

STORAGE

TamRez 414 should be stored at room temperature (min 20°C and max 30°C). Kept in dry and away from sunlight, in shaded area. If pack is unopened and stored as specified, then said shelf life of 1 year can be expected.

HEALTH & SAFETY

TamRez 414 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.

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