

Extended Epoxy Grout

DESCRIPTION



TamRez 405 is a three component, pourable, high strength epoxy grout designed to anchor dowel and tie bars into concrete pavements. It can also be used for bonding miscellaneous materials to concrete where a fast cure is required.

TamRez 405 is available in three grades, Standard, Fast set and Slow set.

KEY BENEFITS

- > Large range of applications
- > Low exotherm
- > High early strength

TYPICAL APPLICATIONS

- > Base plate grouting
- > Anchoring dowel and tie bars into concrete pavement
- > Setting parking bumpers
- > Bonding pre-cast segments

TECHNICAL DATA

TamRez 405 Standard Grade				
	Resin (A)	Hardener (B)	Filler (C)	Mixture
Solids by volume	100%	100%	100%	-
Colour	Clear	Amber	Grey	Grey
Density	1.17	0.98	2.2	2.0

TamRez 405 Standard Grade	
Mix Ratio	Full packs only
Pot Life	35 minutes
Gel Time	1 - 2 hours
Compressive Strength	> 40MPa
Final Cure	3 days
Viscosity	5000mPa·s
Bond Strength	11.7MPa
All at 20°C	

TamRez 405			
	Fast Set	Standard	Slow Set
Mix Ratio	Full packs only		
Pot life	15mins	35mins	50mins
Gel Time	1 – 2 hours	1 – 2 hours	10 – 12 hours
Final cure	3 days	3 days	28 days
Viscosity	4500 – 5000mPa·s		
All at 25°C			

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

APPLICATION GUIDELINES

All surfaces should be clean and free of any loose or flaking material. Holding down bolts, tie bars etc. should be degreased and all loose and flaking rust should be removed. Free water should be removed but there is no need for surfaces to be totally dry.

Mixing

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 – resins to the Part B – Hardener in a large mixing container (plastic preferred) and mix for a further 2 minutes. Longer mixing times may be required in cooler weather.

Empty the contents of Pack A and Pack B into a suitable container and mix thoroughly. Immediately transfer the mixed liquid to a suitable grout mixer. Stir in the contents of Pack C and continue mixing until a homogeneous material is obtained.

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.

Extended Epoxy Grout

It is recommended that the material is conditioned to appropriate temperatures for at least 12 hours prior to application.

Subsequent Finishes / Ongoing Maintenance

We recommend the use of TamRez Cleaner. Clean equipment immediately after use.

Yield

1 kg = 0.5 litres

PACKAGING

TamRez 405 is supplied in 20 kg packs. Packaging size may vary subject to local regulations and requirements.

STORAGE

TamRez 405 should be stored at room temperature (min 10°C and max 35°C), kept dry and out of direct sunlight. If these conditions are maintained and the product packaging is unopened, then a shelf life of 1 year can be expected.

HEALTH & SAFETY

TamRez 405 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.