

Two-Component Water Based Epoxy

DESCRIPTION



TamRez 530 is a two-component water-based coating. It is a low odour, epoxy-polymide coating. TamRez 530 is a high performance floor coating system designed to provide excellent wear resistance in combination with protection against chemical attack for concrete surfaces. It can be applied to new, cured or old concrete.

KEY BENEFITS

- > Excellent resistance to a variety of chemicals
- > Easy to apply with standard equipment
- > Can be applied as a non-slip floor finish
- > Available in a variety of colours
- > No separate primer needed
- > Provides excellent wear under fork lift traffic

TYPICAL APPLICATIONS

- > Car parks & garages
- > Production plants
- > Tunnel protection
- > Protective tanks
- > Concrete protective coating in marine environment
- > For damp surfaces where other paints cannot adhere
- > Tank lining for potable water
- > Where solvents are not permissible or acceptable due to odour or fire risk

TECHNICAL DATA

TamRez 530	
Mix ratio	4:1
Total solids content	77%
Density	1.26
Fully cure	7 days
Pot life EN ISO 9514	60-90 min
Tack free time	4 - 6 hours
Re-coat time	5 hours
Light traffic	8 hours
Tensile adhesive strength ASTM D4541	>3MPa
Stain resistance ISO 10545:14	Diesel – No Staining
Water absorption ASTM C413	2.1%
Viscosity	3800 mPa·s

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

APPLICATION GUIDELINES

Surface preparation

New concrete should be cured with polythene sheet, wet burlap or water. Any curing membranes must be completely removed by mechanical means such as shot blasting. Concrete surfaces must have at least a slightly textured surface for the best bond. Although acid etching will produce the desired texture if done properly, mechanical roughing is strongly preferred as the preparation method. If the surface is prepared by etching with acid, it must be completely neutralised and all salts must be washed from the surface.

New concrete must have a minimum age of 28 days before applying TamRez 530. For coating old or new concrete, the surface must be cleaned of any dirt, dust, or other contamination with a thorough floor scrubbing. Remove oil and grease and allow floor to dry after cleaning.

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Mixing

TamRez 530 is a two-component liquid requiring thorough mechanical mixing. Combine Part A to Part B in a 4:1 ratio (by volume) and mix for 3 minutes with a drill and mixing paddle. Improper mixing will result in a soft or tacky surface. Pot life is approximately 1 hour at 30°C.

Thinning with up to 15% cold water is permissible and this can extend the pot life.

First Coat Application

The first coat may be applied using a short nap roller, brush, or airless power sprayer. Apply at a coverage rate of 0.15 - 0.20 kg per m² over trowelled surfaces. Textured surfaces will reduce the coverage rate.

Note: Coverage may vary with substrate conditions.

Finish Coat Application

The finish coat must be applied as soon as possible after the first coat has dried. This is typically a 4 to 6 hour wait at normal ambient temperatures. Use the same application methods as for the first coat. Coverage rate is the same. For non-slip surfaces mix 1.6 kg of 50 mesh silica sand per 3.8 litres of mixed material.

Optional Top Coat

For the best protection against chemical attack and resistance to wear, apply a final coat of TamRez 530 as the top coat.

RELATED PRODUCTS & EQUIPMENT

When using spray equipment, a thorough flushing with water every hour will prevent a build-up of cured material. At the end of a shift, the equipment should be flushed out with water immediately. Wash all brushes and rollers with cold water.

PACKAGING

TamRez 530 is supplied in 20 kg set.

STORAGE

TamRez 530 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 530 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.