

Universal Epoxy Primer & Binder

DESCRIPTION

TamRez Primer is a two-component, 100% solvent-free, low viscosity, epoxy resin system.

TamRez Primer can be used as a primer for TamRez and TamSeal systems or as a binder to which fillers can be added to produce epoxy mortars.

KEY BENEFITS

- › 100% solvent-free
- › Excellent adhesion
- › Moisture insensitive
- › Non-shrink
- › Low viscosity
- › Aggregate extendable
- › Pigmentable
- › Bloom free
- › High abrasion and chemical resistance

TYPICAL APPLICATIONS

- › Epoxy priming
- › Concrete repair
- › Wet to dry bonding
- › General purpose binder

TECHNICAL DATA

TamRez Primer	
Colour	Amber
Density	1.10 kg/litre
Mix ratio	2:1 by volume
Pot life (85 g)	25 minutes
Gel time (0.1 mm)	6 hours
Final cure	7 days
Viscosity	350 - 600 cps
Hardness (Shore)	78 D
Elongation, 7 days	3.5%
Tensile strength, 7 days	> 40 MPa
Compressive strength, 7 days	> 70 MPa
28 days	> 80 MPa
Bond strength (mild steel)	10 MPa
Bond strength (concrete)	> 2.5 MPa
All at 25°C. All technical data stated herein is based on tests carried out under laboratory conditions.	

Aggregate Extension Table

Mix	TamRez Primer: Aggregate Ratio	Litres of TamRez Primer per m ³	Litres of Aggregate per m ³	Final Compressive Strength
Pourable grout	1:2	450	900	80
Flowable self priming mortar	1:3	333	1000	70
Mortar mix	1:4	250	1000	55
Dry pack mix	1:5	200	1000	50

Note: Results may vary depending on the aggregate used.

APPLICATION GUIDELINES

Preparation

All grease, oil, chemical contamination, dust, laitance and loose concrete must be removed by scabbling or light bush hammering to provide a sound substrate.

Steel surfaces should be grit blasted to white metal.

Surfaces which show any traces of oil must be degreased with a chemical degreaser prior to grit blasting

As noted under typical applications TamRez Primer is a universal epoxy suitable for a wide range of applications.

Primer for TamRez mortars or TamSeal systems- apply the primer at 2-10 m² per kg in one or two coats dependant on porosity (the substrate should look wet when the epoxy is applied if it does not then another application is required).

To enhance the bonding of TamSeal sprayed membranes the TamRez Primer can be broadcast with 0.5 -1 mm silica sand.

Wet to dry bonding epoxy – apply TamRez Primer at 3 - 6 m² per kg to prepared substrate, apply concrete repair topping while the epoxy is still tacky.

Concrete repair – apply a coat of TamRez Primer at 3 - 6 m² per kg to the prepared substrate. Apply the aggregate extended mix (refer to table above) to the prime coat while it is still tacky.

Coating - a coat may be applied to the prepared substrate which can be thinned with TamSol if required. Coverage can vary from 4 -10 m² per kg depending on substrate and whether TamSol is used. For additional coats the product can be extended with a wide range of fillers including light weight fillers, talc or sand to reach the desired consistency.

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Successive applications should be applied while the previous application is still tacky. Non-slip aggregate can be added to the TamRez Primer or broadcast between coats if a slip resistant finish is required.

Trowel floor – a coat of TamRez Primer (coverage approx. 4 - 6 m² per kg). Apply trowel coat while prime coat is still tacky. Trowel coat of TamRez Primer is extended with sand at a ratio of 1:3 to 1:5. A ratio of 1:4 is common for commercial kitchens, warehouse floors, etc. A ratio of 1:4 gives a good balance of workability, cost and performance. Once trowel coat is set (normally takes one day), apply 2 roll coats of TamRez Primer with sand broadcast between coats for non-slip finish if required.

Common options when TamRez Primer is used as a coating system include:

- > Adding pigment to the trowel floor and/or roll coats
- > For trowel floor vertical application, add light weight filler
- > Add Talc to roll coats to extend epoxy and for solid colours, otherwise colours may be translucent

PACKAGING

TamRez Primer is supplied in 7.5 kg and 30 kg. Packaging size may vary subject to local regulations and requirements.

STORAGE

TamRez Primer 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 for resins and six months for powders.

HEALTH & SAFETY

TamRez Primer 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.