GEMREZ TS 1-1 EPOXY TIMBER SEALER

TDSG4159

DESCRIPTION	An effective method of sealing & densifying timber and stopping mould. Penetrates deep into the timber then sets hard. Ideal for rotten areas that can be rebuilt rather than replaced. An excellent barrier coating for all marine situations Use for sealing timber in home building areas where timber might rot. Contains a broad-spectrum biocide which inhibits ALGAL, FUNGAL, and YEAST microorganisms. Overcoat with all paint systems after it is thoroughly dry, provided the surface is sanded and degreased.
TYPICAL USES	Sealing and densifying timber where deep penetration is required.
ENVIRONMENT	Interior or exterior. Marine capable.
PERFORMANCE	It can be used as a topcoat in interior situations and saturates all clean dry timbers. Exterior applications should be over coated with single pack TUFCOTE WB ENAMEL or TUFFLOOR 2K PU systems to avoid ultraviolet surface chalking. Excellent penetration and sealing properties. If over coating with a paint system, priming is not required. Do not use below 12
LIMITATIONS	Exterior requires topcoating.
TECHNICAL DATA	Resin: Epoxy Primer: Not applicable Thining and Clean Up: Epotec 107 Thinner Potlife: 3-4 Hours @20°C Pack Size: 1,4,8 Cure to Handle: Overnight @20°C/65% RH Mixing Ratio: 1:1 Vol Solids: 60 percent Touch Dry: 5-7 hours @20°C Recoat Time: Overnight @20°C Number of Coats: 2 to 3 Theoretical Coverage: 10 m²/litre/coat Wet Film Thickness: 100 microns Dry Film Thickness: 60 microns
SPREAD RATE	First Coat: 10 - m²/litre/coat Practical spreading rates will vary depending on such factors as application method, ambient conditions and surface porosity and roughness.
PRODUCT CODES	4.153
SURFACE PREPARATION	**Fibre Board-New Unpainted** All surfaces must be clean, and free from dirt, grease, and any other surface contaminant. The substrate needs to be profiled to an open uniform surface suitable for priming, and consideration given as to the most appropriate method of preparation that maintains the substrates integrity. Generally, a light sand P220 with Zinc stearate to remove any surface imperfections will suffice. Vacuum or blow down to remove sanding residues. Tac cloth for a final clean. Apply a full coat of specified Primer as per the paint specification. Fill all nail holes and gaps with TRUEPREP STOP-IT FILLER or TRUEPREP 2K FILLER applied in accordance with manufacturer's instructions. Allow to dry and sand, dust down. Spot prime filled areas (after fully dry) with the specified Primer again.

Timber Joinery-New Unpainted

Interior Uses: Liquid sugar soap or similar cleaner is a good method for cleaning all contaminates of the existing substrate. The surface will need to be thoroughly cleaned down to remove any residue left.

Exterior Uses: All surfaces must be clean, and free from dirt, grease, and any other surface contaminant. Clean with TRUEPREP SURFACE CLEAN - A powerful water based, biodegradable, degreaser. Formulated to remove grease and other contaminants from painted and other surfaces. Refer to the TDS for all general information and application.

Inspect the substrate prior to applying any coating system to ensure there is no contamination present and no surface defects exists. If there is either contaminants or defects are present, rectification process is required prior to any coating is applied.

Sand the surface to remove contaminants and provide a mechanical key for our topcoats. Wipe surface with a damp rag to remove all dust.

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Timber Joinery-Previously Painted Poor
SURFACE CLEANING: All surfaces must be clean, and free from dirt, grease, and any other surface contaminant.
INTERIOR:

MOSS AND MOULD INFESTATION: Treat with moss & mould killer solution following manufacturers instruction. After infestation has been killed and removed, rinse all surfaces clean with water to ensure all surface contamination has been removed. Allow to dry.
Clean all surfaces with liquid sugar soap. The surface will need to be thoroughly rinsed clean to remove any residue left.

PREPARATION:
All areas that have poorly adhered paint must have the paint removed. Removal be any combination of the following:

Careful scraping with tungsten bladed scraper, sanding with orbital sander P100-140 and or if able use of a paint stripper such as TRUEPREP PAINT REMOVER, following manufacturer's instructions. Ensure all dead wood fibre is sanded, feather the edges of any remaining sound paint and sand remaining paint to remove the sharp edges and ridges. Ensure all surfaces are de-Glossed and matted. Remove all surface debris and wipe down.

Spot prime and allow to dry.

Fill all holes and debits with TRUEPREP STOP-IT FILLER applied in accordance with manufacturer’s instructions. Allow to dry, sand flush, dust.

EXTERIOR:
Clean with TRUEPREP SURFACE CLEAN. Refer to the TDS for mixing and application details_

MOSS AND MOULD INFESTATION: If any areas of moss or mould infestation exist, treat them with our TRUEPREP GREEN KILL as per TDS. Apply by flood coating to the surface and allow a minimum of 48 hours and up to a month for sterilization or Lichen before scrubbing or water-blasting for removal of ALL the detritus. For heavy infestations, an additional application may be needed.

PREPARATION:
All areas that have poorly adhered paint must have the paint removed. Removal be any combination of the following:

Scraping with tungsten bladed scraper, hard sanding with orbital sander P60-140 and or use of a paint stripper such as TRUEPREP PAINT REMOVER, following manufacturer's instructions.

After removal all surfaces will need to be sanded to ensure all dead wood fibre is removed and a clean, dry and well sanded surface is available for priming.

Feather the edges of any remaining sound paint and hard sand remaining paint to remove the sharp edges and ridges. Wash to remove all debris. Allow to dry.

North and West facing areas that have significant failure should be fully stripped.

Spot prime and fill all nail holes and gaps with TRUEPREP STOP-IT FILLER applied in accordance with manufacturer’s instructions. Sand and spot prime filled areas (after fully dry) with the specified primer again.

The applicator takes responsibility for all surfaces being suitably prepared prior to commencement of paint work.

KEY NOTES:

ADHESION TEST:
Clean areas of suspect coating. Perform multiple crosshatch adhesion test over the surface to be painted. Any areas that fail (paint coming onto the tacky side of the tape) will require full stripping to bare substrate. Areas that pass can be hard sanded P80-120, dusted and coated as per specification.

It is advisable to remove all coatings if a substantial part of the area to be painted has adhesion issues as recoating over what may appear to be a stable existing coating can fail (blister or delaminate) due to the surface tension created by curing of the freshly applied paint.

Feather all edges of transitions from stripped areas to existing paint. Immediately treat with the first coat of the specification to prevent ’edge curl’ with subsequent weathering.

LEAD PAINT: Lead Test Kits
It's not possible to tell lead-based paints by their appearance, but there is a simple test that can detect whether the paint is a health risk. If a building was built in the 1980s or earlier, it is best to presume that it has been painted with lead-based paint.
https://www.worksafe.govt.nz/topic-and-industry/hazardous-substances/guidance/substances/managing-lead-based-paint

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MIXING INSTRUCTIONS	Mix part A and B separately until smooth and homogenous.
APPLICATION	Brush, Epoxy safe roller or lambswool applicator **BRUSH/ROLLER** Wooster Pro-dooz 6-8mm **PRECAUTIONS** This is not a gap filling product. **CLEAN UP** Epotec 107 Thinner
APPLICATION NOTES	All contaminants must be removed from surfaces to be laminated. A test patch is recommended if the product has not been used before. Timber to be treated must be clean and dry. Degrease oily timbers such as teak, if necessary. Check suitability of treated timbers with the timber supplier. Designed for multiple coating to achieve a full impermeable surface barrier. May be thinned for initial coating with epoxy solvent, up to 10% by volume. This will assist penetration. Successive coats should be applied “neat”. Allow each coat to “tack off” before next coat is applied. Sanding between coats is recommended. If previous coat is completely cured, then thoroughly sand with 180-280 grit sandpaper before re-application. Approximately three coats will be required for effective sealing of the timber. Once cured, fill low areas and joints with EPOXYBOG, sand smooth, fibreglass, if necessary, and topcoat
THINNING	Epotec 107 Thinner
SAFETY PRECAUTIONS	Refer to the Safety Data Sheet for this product prior to use. Please ensure that they are familiar with all aspects concerning safe application of this product, including appropriate personal protective equipment (PPE). If you are unsure about any health and safety aspects of this product, do not use it.
ENVIRONMENTAL	This formulation uses the latest technology with low toxicity, ensuring environmental issues are not compromised. DO NOT POUR paint or wash down storm water or water courses. ALWAYS dispose of in accordance with local Government regulations. Soak up spills with absorbent material and dispose of properly. If spraying use suitable respiratory protection. Refer to the MATERIAL SAFETY DATA SHEET

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