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.

COATING TECHNOLOGIES LIMITED
10 Andromeda Crescent, East Tamaki, Auckland 2013 Ph +64 9 837 0897 www.cotec.co.nz

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Timber Joinery-Previously Painted Poor
Moss or Mould Infestation: Cleaning for all interior and exterior procedures

Interior Uses: If any areas of moss or mould infestation exist, then treat them with a form of moss & mould killer solution. In areas that has signs of mould infestation, it can be removed with a wipe of concentrated moss and mould killer solution on a damp cloth.

Exterior Uses: If any areas of moss or mould infestation exist, treat them with our Trueprep Green Kill as per our TDS. Apply by flood coating to the surface and allow a minimum of 48 hours and preferably a week for sterilization before scrubbing or water-blasting for removal of the detritus.
For heavy infestations, an additional application may be needed.

Cleaning Process: Cleaning for all interior and exterior procedures

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.

Allow to scrape and sand all flaking paint. Thoroughly scrape and sand to remove all loose and flaking paint and to provide a key for topcoats.

Ensure all flaked paint has been thoroughly sanded to a feathered edge. Allow to sand any sharp edges to give a rounded edge for better adhesion. Remove all sanding dust.

Allow to spot prime all bare areas or apply one full coat of primer to help bind the existing coating.

Fill all nail holes and gaps with Cotec Stop-It Filler or similar product applied in accordance with manufacturer's instructions. 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:

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/

Delamination
Paint delamination is the separation of one coating from another – inter-coat adhesion failure, or the separation of the coating from the substrate. This can be tested through adhesion testing.

Adhesion Testing
Clean an area of suspect coating. Apply a strip of adhesive tape ensuring there is firm contact by rubbing with your fingernail. Rapidly pull off the tape at 90° to the surface. The tacky side of the tape for any detached paint filings. If there is no paint on the tape the substrate is suitable for paint and preparation can proceed through to the next stage. Where paint flakes have come away, thorough sanding and/or stripping will be required. Feather all edges of poorly adhering paint areas and immediately treat with the first coat of the specification to prevent 'edge curl' with subsequent weathering.

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

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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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