cotec

WOODLAND REPEL CLEAR

TDS04-2005

DESCRIPTION	An environmentally friendly, VOC free, water based clear treatment for concrete, plaster and other masonry substrates, which provides lasting water repellency and protection.
TYPICAL USES	A clear impregnation treatment for bare masonry to give lasting protection against moisture penetration.
ENVIRONMENT	Exterior
PERFORMANCE	A premium silane/siloxane treatment, which penetrates and chemically bonds with masonry, providing a hydrophobic matrix which prevents water penetration. REPEL reduces the capillary absorption of the building which it has penetrated, but does not clog pores or capillaries. There is therefore little or no impairment of the building material's ability to "breathe".
LIMITATIONS	Do not apply if air or surface temperature is below 10oC, or if rain is imminent. Apply only to bare masonry substrates. Not designed to be over coated. REPEL IS NOT INTENDED FOR APPLICATION TO SEALED SURFACES, AND IS NOT DESIGNED TO BE OVER COATED BY PAINT PRODUCTS.
TECHNICAL DATA	Resin: Silane/siloxane emulsion Product Type: Water Repellent Sealer Solvent: Water Appearance: Clear Colour: Clear Primer: Not applicable Thining and Clean Up: Water Pack Size: 1, 4, 10 Litre Vol Solids: 0 percent Touch Dry: 30 minutes @20°C Recoat Time: 5-10 minutes @20°C Number of Coats: 2 Theoretical Coverage: 7 m²/litre/coat Wet Film Thickness: 100 microns Dry Film Thickness: 0 microns
SPREAD RATE	5-10 - m²/litre/coat Practical spreading rates will vary depending on such factors as application method, ambient conditions and surface porosity and roughness.
PRODUCT CODES	04-2005.01 04-2005.04 04-2005.10
SURFACE PREPARATION	**Cementitious-New Unpainted** It is strongly recommended that plaster and concrete is left to age for at least 28 days before coating to allow the concrete to fully cure before application. It is recommended that a moisture test on the concrete is carried out at this stage prior to painting. Refer to PS-C004 The Moisture Content of Concrete. All surfaces must be clean, and free from dirt, grease, and any other surface contaminant. Clean with TRUEPREP SURFACE CLEANER following instructions, power wash (min 3500 psi) to remove residue and any loose material. Refer PS-C006 Making Concrete Clean and Dry. All surfaces need to be inspected once degreased and power washed to fully establish the condition of existing substrate (and remaining coating) prior to finally specifying the degree and type of preparation work. Any recommendations made prior to this are guides only. 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. The method of preparation work (Grinding, media/soda blast, or UHP blasting, acid etching, sanding or other) must be discussed and documented separately. Generally, a full grind to remove existing contamination and profile the surface as above is recommended. Repair work (surface and crack repair, expansion joints, rebar rust leaching) must be discussed and documented separately. Do not expect paint to successfully bridge gaps and cracks. Refer to PS-C005 Repair of Concrete Defects.

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.

APPLICATION

BRUSH: Apply liberally with a good quality brush.
ROLLER: Use a 5-10mm nap Dacron roller.
SPRAY: Recommend an airless unit. Pressure 2,500psi max and a tip 515-619. Can be applied with a garden sprayer to smaller areas.

Stir product thoroughly with a wide paddle prior to, and during application.

Apply REPEL liberally until surface is wet. If substrate is extremely porous, and a further application is required, this must be applied before the previous coat has dried, otherwise the subsequent coat will be repelled due to the hydrophobic nature of the product. Product which does not penetrate and sits on the surface may leave a sticky residue.

THINNING

Do not thin. Clean up in water. Use a small amount of detergent to aid clean up.

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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