



High Performance Paint Product Data Sheet



AQUATEC REPEL CLEAR (FOR CONCRETE)

04-2005 MAY 10



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.

PERFORMANCE: A premium silane/siloxane treatment, which **penetrates and chemically bonds with masonry**, providing a hydrophobic matrix which prevents water penetration. AQUATEC 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 10°C, or if rain is imminent. Apply only to bare masonry substrates. Not designed to be over coated.

TECHNICAL DATA:

Resin:	Silane/siloxane emulsion
Solvent:	Water
Finish:	Natural
Colour:	Clear
Touch Dry (minimum):	15-30 minutes @ 20°C
Recoat Time (minimum):	Before the first coat is touch dry. Coating after this can lead to the second coat beading and not forming a continuous film.
Primer:	Self priming impregnation coating
Number of Coats:	2 usually required
Dry Film Thickness:	
Wet Film Thickness:	
Durability:	
Thinning and Clean Up:	Water
VOC:	
Pot Life:	Not Applicable
Pack Size:	1, 4, 10 Litre

SPREAD RATE:

Theoretical Coverage: 5-10 m²/litre/coat.
Coverage depends on surface profile and porosity.

COMPUTER CODES:

Aquatec Repel Clear 04-2005

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SURFACE PREPARATION:

(Refer to "Surface Preparation and Paint Systems" for full details). To ensure a successful application all surfaces to be coated must be clean, dry and stable.

ALL SURFACES:

Any mould, moss, algae needs to be treated with a suitable chemical cleaner/inhibitor.

Ensure surfaces are free from oil, grease and any surface contamination. Use commercial detergent/alkali cleaner. Ensure substrate is dry, prior to application.

AQUATEC REPEL IS NOT INTENDED FOR APPLICATION TO SEALED SURFACES, AND IS NOT DESIGNED TO BE OVER COATED BY PAINT PRODUCTS.

NEW PLASTER (CEMENT RENDER, EIFS):

Allow 1 day cure per mm thickness. Ensure surface is free from dust and dirt, and dry.

NEW CONCRETE/TILT SLAB:

Ensure surface is dry, and free from dust, dirt and release agents.

FIBRE CEMENT BOARD:

Ensure surface is dry and free of dust and dirt.

OLD CONCRETE:

Remove all old paint, grease, oil and other contaminants. Ensure surface is clean and dry.

STONE/BRICK:

Ensure surface is free of mould, moss and mildew, and is clean and dry.

Note: Commencement of work on a surface means in general you accept that surface. If any doubt about condition etc, seek advice.

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 AQUATEC 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 & CLEAN UP:

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

ENVIRONMENTAL:

The evolution (EVO) range of products are formulated on the latest available resins to give you both high performance and also to meet low VOC (Volatile Organic Compound) levels set out in current local standards. Likewise levels of environmentally harmful substances are either significantly reduced or eliminated. 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.
