aquatec

AQUATEC LP

TDS01-501

DESCRIPTION	A pigmented water-based polyurethane that surpasses the performance of traditional oil-based enamels. Virtually odourless. Exceptional flow and very smooth surface. Available in low-sheen, semi-gloss and gloss.
TYPICAL USES	Interior surfaces where a smooth, hard wearing easy clean finish is required, e.g., window frames, skirtings, doors, cupboards, walls and ceilings.
ENVIRONMENT	Interior/ Exterior*
PERFORMANCE	Used where an alkyd (Oil) based paint would be used. Aquatec polyurethane exceeds the performance of traditional enamels. The area of significant improvement is gloss retention, yellowing and toughness. The product does not suffer from blocking so is ideal for windows and doors. Ideal for interior broadwall surfaces where a washable, durable, water-resistant surface is required. Free-sands in 2 hours @20 . * Not suitable for Exterior in Low Sheen, or on substrates prone to surface movement (Exterior Timber).
LIMITATIONS	Apply two coats, not one thick coat. Do not apply if the air and surface temperature during application and drying is likely to fall below 10oC. Aquatec PU gloss and semi-gloss can be used on exterior surfaces that are dimensionally stable, such as powder coated aluminium and steel. Refer to Cotec technical prior to starting work.
TECHNICAL DATA	Resin: Specialty composition polyurethane Solvent: Water Appearance: White Colour: All Colours Primer: See over. Durability: Excellent Thining and Clean Up: Water Pack Size: 1,4,10 L VOC: 65-81 g/litre Vol Solids: 37 percent Touch Dry: 60 minutes @20°C Recoat Time: 2 Hours @20°C Number of Coats: 2 Theoretical Coverage: 10 m²/litre/coat Wet Film Thickness: 100 microns Dry Film Thickness: 37 microns

AVAILABLE FINISHES @60°C

Sheen
Gloss 75+%
Semi Gloss 30%
Low Sheen 2-6%

SPREAD RATE	10-12 - m²/litre/coat Practical spreading rates will vary depending on such factors as application method, ambient conditions and surface porosity and roughness.
PRODUCT CODES	01-501,01-507, 01-503, 02-5015,02-5035, 02-5075

PRIMERS AND UNDERCOATS

Substrate	Primer / Undercoat	Technical Data Sheet
Plasterboard Timber Joinery	TRUEPREP DRYWALL SEALER	See TDS05-675
Plasterboard Timber Joinery	TRUEPREP MULTIPRIME	See TDS05-100
Timber Joinery	TRUEPREP ACRYLIC PRIMER UNDERCOAT	See TDS05-155
Plasterboard Timber Joinery	TRUEPREP MULTIPURPOSE ALKYD PRIMER UNDERCOAT	See TDS55-550URO

aquatec

SURFACE PREPARATION

Plasterboard-Aged Unpainted Poor
All surfaces must be clean, dirt, grease and any other surface contaminant. wipe with a damp cloth to remove dust. Avoid scuffing the paper surface substrate.

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

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.

If required, apply appropriate flexible paintable sealant, to gaps between skirting boards, framing and scotia's and fill any minor defects using TRUEPREP STOP-IT.

A careful inspection is required for all surfaces after priming to ensure staining has been held prior to Topcoat being applied. If staining is present

Yellow bleached paper-face plasterboard - If the plasterboard has been left unpainted for a while, there could be signs of dis-colouration. Use of our Trueprep Multipurpose Alkyd Primer Undercoat is recommended to stop any staining coming through.

Plasterboard-Aged Unpainted Good
All surfaces must be clean, dirt, grease, and any other surface contaminant. wipe with a damp cloth to remove dust. Avoid scuffing the paper surface substrate.

If any areas of moss or mould infestation exist, then treat them with a form of moss & mould killer solution. In area that has signs of mould infestation, it can be removed with a wipe of concentrated moss and mould killer solution on a damp cloth. Allow the surface to fully cure prior to applying the sealer coat.

Allow to apply first coat of primer/ sealer and allow to fully cure.

A careful inspection is required for all surfaces after priming to ensure staining has been held prior to Topcoat being applied. If staining is present, follow the next step below.

Yellow bleached paper-face plasterboard - If the plasterboard has been left unpainted for a while, there could be signs of dis-colouration. Use of our Trueprep Multipurpose Alkyd Primer Undercoat is recommended to stop any staining coming through.

If required, apply appropriate flexible paintable sealant, to gaps between skirting boards, framing and scotia's and fill any minor defects using TRUEPREP STOP-IT and re-prime the bare patches.

MIXING INSTRUCTIONS

When opening check inside lip of pail and lid underside carefully for any dried paint and wipe carefully with a clean rag to remove. Do not allow to enter paint. Stir thoroughly with a board stirrer paddle. Ensure paint is completely mixed and homogenous prior to use.

APPLICATION

Apply using either a brush, roller or airless spray.

SPRAY
Use a fine tip such as FFLP 309, 409. Apply first coat thinly or apply tack coat and then light-medium coat wet-on wet. Horizontal surfaces can be coated with medium coats, giving a very good levelling and gloss. Be careful of runs and sags.
Second coat medium build.
Wagner HVLP fine set up.
Use Cotec Spray thinners up to 5%.

BRUSH/ROLLER
Always use a high-quality brush running with the grain. Wooster Alpha or Ultra Pro Mink brushes provide an extremely smooth finish.
Avoid high builds on vertical surfaces as runs may occur.

It is preferable to use a 6-8mm 'Wooster microfibre' sleeve.

CLEAN UP
Water. Use a small amount of detergent to aid clean up.

APPLICATION NOTES

Apply each coat carefully, de-nibbing between coats with p240 grit paper if necessary. The number of coats necessary is dependent on the depth of colour that the customer requires. Usually 2 – 3 coats.

If runs occur, leave to dry 2 hours @20 . These will be free-sanding, then sand with P240, dust and re-apply.

THINNING

If brushing use Cotec Summer Retarder. If spraying use Cotec Spray Thinners. Maximum 5% by volume, unless otherwise advised by Cotec Technicial.

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

Technical information given verbally or in writing is based on knowledge and research, given in good faith and believed to be reliable, but no guarantee of accuracy is made or implied. Since methods and conditions of use are beyond our control, all merchandise is sold and received subject to the condition that our liability whether express or implied for any defect in quality, or for any lack of fitness for the specified use thereof, is limited to the return of the purchase price if written claim is made within 14 days from the date of delivery. It is recommended that the user makes his or her own tests to determine the suitability of the product for his own requirements. Freedom from patent restrictions is not implied.

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

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

Technical information given verbally or in writing is based on knowledge and research, given in good faith and believed to be reliable, but no guarantee of accuracy is made or implied. Since methods and conditions of use are beyond our control, all merchandise is sold and received subject to the condition that our liability whether express or implied for any defect in quality, or for any lack of fitness for the specified use thereof, is limited to the return of the purchase price if written claim is made within 14 days from the date of delivery. It is recommended that the user makes his or her own tests to determine the suitability of the product for his own requirements. Freedom from patent restrictions is not implied.