



High Performance Paint Product Data Sheet



AQUATEC ENAMEL PU

0X-50XX NOV 21



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.

PERFORMANCE: Can be 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.

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 10°C. 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 polymer composition
Solvent:	Water
Finish:	Gloss (75%+ @ 60°) Semi-gloss (30% @ 60°) Low Sheen (2-6% @ 60°)
Colour:	White/Unlimited Colours
Touch Dry (minimum):	60 minutes @ 20°C
Recoat Time (minimum):	2 hours
Primer:	See over
Number of Coats:	2
Dry Film Thickness:	31-37 microns at 12-10 m ² /litre
Wet Film Thickness:	83-100 microns at 12-10 m ² /litre
Durability:	Excellent. Non yellowing.
Thinning and Clean Up:	Water
VOC:	65-81 g/litre
Pot Life:	Not Applicable
Pack Size:	1, 4, 10 Litre

SPREAD RATE:

Theoretical Coverage:	10-12 m ² /litre/coat.
Coverage depends on surface profile and porosity.	

COMPUTER CODES:

Aquatec PU Gloss White	01-507
Aquatec PU Gloss Accent	02-5075
Aquatec PU Semi-gloss White	01-503
Aquatec PU Semi-gloss Accent	02-5035
Aquatec PU Low Sheen White	01-501
Aquatec PU Low Sheen Accent	02-5015

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AQUATEC PU ENAMEL

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 cracks and joints need to be treated as appropriate to suit the situation. Do not expect paint to bridge moving cracks/joints successfully.

Any mould, moss or 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, not acid wash.

DRY WALL AND PLASTER:

Apply EASYSAND evenly with a good quality brush/roller/spray. Allow to dry. Using a pole-sander (#150 grit or smoother) lightly sand to remove any "nibs" or fibre/grain swelling. MULTIPURPOSE ALKYD PRIMER UNDERCOAT is recommended to be used on wet area surfaces.

Note EXTERIOR TIMBER JOINERY use AQUATEC WB ENAMEL.

NEW TIMBER:

Apply ACRYLIC PRIMER UNDERCOAT, TRUEPREP MULTIPRIME or EASYSAND evenly with a good quality brush/roller/spray. Allow to dry. Using a fine sandpaper (#240 grit or smoother) lightly sand to remove any "nibs" or fibre/grain swelling. (HI OPACITY PIGMENT SEALER may also be used, and this will eliminate the possibility of tannin bleed.

PREVIOUSLY PAINTED TIMBER - ALKYD-ENAMEL or WATER-BASED ENAMEL

Provided the paint is stable and well adhered to the substrate:

Clean and sand to de-gloss all the surface. Fill if required, sand and dust. If the surface is true, AQUATEC PU can be applied direct to existing surface. In wet areas or surfaces that are requiring spot priming or an undercoat to make the surface good, apply a coat of ACRYLIC PRIMER UNDERCOAT, TRUEPREP MULTIPRIME, or MULTIPURPOSE ALKYD PRIMER UNDERCOAT.

Shellacs and old varnishes need to be removed. To do this a good quality paint remover should be used with the aid of a tool such as a "linbide scraper" and or Power sander. Lightly sand the timber being careful not to raise grain. Proceed as for new timber.

Old polyurethane doors will normally require a coat of MULTIPURPOSE ALKYD PRIMER UNDERCOAT to stop bleeding.

Joint or Crack Repair:

Use a quality wood filler. Allow to dry completely then sand lightly with the grain to level the filler.

CONCRETE, CEMENT PLASTER, OLD AND NEW:

- Unpainted:
- If tight surface from e.g., formwork, steel trowel, it's important to remove any laitance by washing. Allow to dry.
 - New Cementitious surfaces, allow to cure for 7 days minimum (28 days preferred).
 - Apply one coat of ACRYLIC SEALER UNDERCOAT (see data sheet).
 - If leaching/efflorescence is likely, use LIME STOP first (see data sheet).
- Painted:
- Remove all flaking or blistering paint by water blasting or grit blasting. Be careful not to create an undue profile or damage the underlying substrate. Check soundness of surface by cross-cutting with a sharp blade and applying tape. Rip tape off. If paint is removed surface is unsound and requires stripping.
 - Apply one coat of ACRYLIC SEALER UNDERCOAT (see data sheet).

APPLICATION:

Apply using either a brush, roller or airless spray.

Brush: Always use a high-quality brush running with the grain. Avoid high builds on vertical surfaces as runs occur.

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

Airless Spray: Use a fine tip such as 309, 409. Apply first coat thinly, as per instructions for new timber above. Horizontal surfaces can be coated quite heavily, giving a very good levelling and gloss. Be careful of runs and sags.

General: Apply each coat carefully, denibbing between coats with p240 grit paper if necessary. The number of coats necessary is dependant on the depth of colour that the customer requires. Usually 2 – 3 coats.

THINNING & CLEAN UP:

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.

