

0671P WATTYL PAINTING

Branded worksection

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Worksection abstract

This branded worksection *Template* is applicable to the in situ application of WATTYL coating films to buildings and interior elements. The worksection outlines requirements for materials, workmanship and equipment involved in the preparation and application of:

- Painting systems over various substrates, including the priming coat or system for the protection on non-structural metals.
- Clear finishes and transparent staining systems for high quality indoor woodwork.

The primary referenced standard is AS/NZS 2311 which provides a guide to products and procedures for the painting of buildings for general domestic, commercial and industrial use.

Guidance text

All text within these boxes is provided as guidance for developing this worksection and should not form part of the final specification. This *Guidance* text may be hidden or deleted from the document using the NATSPEC Toolbar or the hidden text *Hide* and *Delete* functions of your word processing system. For additional information visit FAQs at www.natspec.com.au.

Optional style text

Text in this font (blue with a grey background) covers items specified less frequently. It is provided for incorporation into *Normal* style text where it is applicable to a project.

Related material located elsewhere in NATSPEC

If a listed worksection is not part of your subscription package and you wish to purchase it, contact NATSPEC.

Related material may be found in other worksections. See for example:

- *0183 Metals and prefinishes* for shop applied paint finishes to services components.
- *0185 Timber products, finishes and treatment* for preservative and water repellent treatments.
- *0345 Steel - protective paint coatings* for protective coatings to structural steel and external metal fixtures.
- *0345P WATTYL steel protective paint coatings*.
- *0656 Floor sanding and finishing* for clear finishes to timber floors.
- *0672 Textured and membrane coatings* for high build and high performance elastomeric coatings.
- *0673 Powder coatings* for prefinishes.
- *0672p WATTYL – GRANOSITE textured membrane coatings*.

Material not included in NATSPEC

Some projects may include items not covered by NATSPEC. For these you may need to create new text, modify this text or a suitable worksection.

Documenting this and related work

You may document this and related work as follows:

- Adapt the schedules in **SELECTIONS** to a Finishes schedule to your office documentation policy.

The *Normal* style text of this worksection may refer to items as being documented elsewhere in the contract documentation. Make sure they are documented.

Search acumen.architecture.com.au, the Australian Institute of Architects' practice advisory subscription service, for notes on the following:

- Painting of buildings.

Search www.environmentdesignguide.com.au, the Australian Institute of Architect's environmental advisory subscription service for notes on the following:

- Renewable resources.

Specifying ESD

The following may be specified by including additional text:

- Coatings with low/zero VOC emission.
- Recycled material, e.g. using recycled paint.

- Water-based instead of solvent based coatings.
- Plant/mineral based paints, e.g. using linseed oil.
- Paints with recovery programs for unused/unwanted paints.

Refer to the NATSPEC TECHreport TR 01 on specifying ESD.

1 GENERAL

Wattyl - Solutions for every project.

With a proud heritage of innovation, Wattyl has been at the forefront of surface coating technology since 1915, with a comprehensive range of market leading ultra-premium paints, lacquers, varnishes and specialised coatings, Wattyl's iconic brands include Wattyl Solagard, Interior Design, Estapol and Killrust. Wattyl is owned by Valspar, a global leader in quality paint and coatings solutions, with a 200 year heritage and commitment to global best practice. With detailed Architect and Specifier support services, the Wattyl range covers everything inside and outside, from residential to large scale commercial projects.

1.1 RESPONSIBILITIES

General

Requirement: Provide coating systems to substrates, as documented.

Documented is defined in 0171 General requirements as meaning contained in the contract documents.

Performance

Requirement: Provide WATTYL coating systems as follows:

- Consistent in colour, gloss level, texture and dry film thickness.
- Free of runs, sags, blisters, or other discontinuities.
- Paint systems which are fully opaque or at the documented level of opacity.
- Clear finishes at the level of transparency consistent with the product.
- Fully adhered.
- Resistant to environmental degradation within the manufacturer's stated life span.

Define verifiable outcomes relating to the overall worksection or system. Use design schedules as appropriate and delete from **SELECTIONS** if duplicated.

1.2 COMPANY CONTACTS

Wattyl technical contacts

Website: www.wattyl.com.au/en/contact-us/index.html

1.3 CROSS REFERENCES

General

Requirement: Conform to the following:

- 0171 General requirements.

0171 General requirements contains umbrella requirements for all building and services worksections.

List the worksections cross referenced by this worksection. 0171 General requirements references the 018 Common requirements subgroup of worksections. It is not necessary to repeat them here. However, you may also wish to direct the contractor to other worksections where there may be work that is closely associated with this work.

NATSPEC uses generic worksection titles, whether or not there are branded equivalents. If you use a branded worksection, change the cross reference here.

1.4 STANDARDS

Painting

General: To the recommendations of those parts of AS/NZS 2311 referenced in this worksection.

For decorative painting and colours, see AS/NZS 2633. For guidance on the management of lead paint in residential and commercial buildings, see AS/NZS 4361.2.

See AS/NZS 1680.1 Section 6 on the relationship between lighting design, paint surfaces and visual environments.

1.5 MANUFACTURER'S DOCUMENTS

Technical manuals

Product Data Sheets: www.valsparprofessional.com/products/

System Selector Wizard: www.valsparprofessional.com.au/specifications/

1.6 INTERPRETATION

Definitions

General: For the purposes of this worksection the definitions in AS/NZS 2310 and the following apply:

- Gloss: The optical property of a surface, characterised by its ability to reflect light specularly.
- Gloss unit: Numerical value for the amount of specular reflection relative to that of a standard surface under the same geometric conditions.

Gloss levels can be measured on site in gloss units with a digital gloss meter.

- Levels of gloss finish: When the specular direction is 60 degrees, surfaces with the following specular gloss reading is defined as follows:
 - . Full gloss: Over 85 gloss units.
 - . Gloss: Over 50 and up to 85 gloss units.
 - . Semi-gloss (satin): Over 20 and up to 50 gloss units.
 - . Low gloss (low sheen): Over 5 and up to 20 gloss units.
 - . Flat finish (matt): Up to 5 gloss units.
- Opacity: The ability of a paint or textured and membrane coating to obliterate the colour difference of a substrate.
- Paint or coating system: A product in liquid form, which when applied to a surface, forms a dry film having protective, decorative or other specific technical properties.
- Primer, prime coat: The first coat of a painting system that helps bind subsequent coats to the substrate and which may inhibit its deterioration.
- Sealer: A product used to seal substrates to prevent the following:
 - . Materials from bleeding through to the surface.
 - . Reaction of the substrate with incompatible top coats.
 - . Undue absorption of the following coat into the substrate.
- Substrate: The surface to which a material or product is applied.
- Undercoat: An intermediate coat formulated to prepare a primed surface or other prepared surface for the finishing coat.

Edit the **Definitions** subclause to suit the project or delete if not required. List alphabetically.

1.7 SUBMISSIONS

Products and materials

General: Submit the following at least 3 weeks before the paint is required:

- Paint brand name and product range quality statement.
- Safety data sheets (SDS) showing the health and safety precautions to be taken during application.
- The published recommendations for maintenance.

Samples

Clear finish coatings: Submit samples of timber or timber veneer matching those to be used in the works as follows:

- Requirement: Label for identification and prepare, putty, stain, seal and coat in conformance with the documented system.
- Size: Large enough to be cut into 4 segments.

Opaque coatings: Submit labelled samples of each coating system, on representative substrates, showing surface preparation, colour, gloss level, texture, and physical properties.

Coated samples schedule

Substrate	Paint system	Colour	Sample size

Use the schedule to list the samples for both clear finish and opaque coatings. Delete if not required.

Subcontractors

Specialist applicators: Submit name and contact details of proposed specialist applicators.

Evidence of experience: [complete/delete]

Delete if specialist applicator details are not required. A specialist applicator may be required for heritage, conservation or restoration projects, or other special decorative and artistic paint finishes, e.g. murals, aged patina finishes, washes and marbling.

Wet samples

General: Submit two clearly labelled, 500 mL samples of each type of paint to be tested.

Wet samples schedule

Paint type	Colour

Delete **Wet samples** if paint is not to be tested.

Warranties

General: Submit the coating manufacturer's warranties as follows:

- [complete/delete]

Describe the requirements of warranties in **PRODUCTS** or **EXECUTION**, as appropriate, and list the submissions required here
Wattyl warranty statement: A standard Paint Warranty is applicable to all Wattyl coating systems except those that are subject to foot traffic.

1.8 INSPECTION

Notice

Inspection: Give notice so that inspection may be made of the following:

- Painting stages:
 - . Completion of surface preparation.
 - . After application of final coat.
- Clear finishing stages:
 - . Before surface preparation of timber.
 - . Completion of surface preparation.
 - . After application of final coat.

Amend to suit the project, adding critical stage inspections required.

Hold points, if required, should be inserted here. A project wide halt between each coat is considered impractical. Examples of inspections required include:

- Inspecting paintwork at various stages of completion in one visit.
- Critical paintwork: e.g. External steelwork in a marine environment.

Other painting stages which may be included:

- After application of prime or seal coats.
- After application of undercoat.
- After application of each subsequent coat.

Other clear finishing stages which may be included:

- After staining.
- After sanding of sealer.
- After application of each clear finishing coat.

2 PRODUCT

2.1 GENERAL

Product substitution

Other products: Conform to PRODUCTS, **GENERAL, Substitutions** in 0171 General requirements.

The 0171 General requirements clause sets out the submissions required if the contractor proposes alternative products. Refer also to NATSPEC TECHnote GEN 006 for more information on proprietary specification.

Storage and handling

General: Store materials not in use in tightly covered containers in well-ventilated areas with temperatures maintained at the manufacturer's recommendations.

Product identification

General: Marked to show the following:

- Manufacturer's identification.
- Product brand name.
- Product type.
- Quantity.
- Product reference code and batch number.
- Date of manufacture.
- Material composition and characteristics such as volatility, flash point, light fastness, colour and pattern.

Edit the list to suit the project or delete if not required.

Note: Some markings are generally shown on the paint container, e.g. Product brand name and Date of manufacturer, and will not require additional markings.

2.2 PAINTING MATERIALS

Standards

Paint types: Conform to the Australian Standard as referenced in the **Wattyl paint type table**.

Wattyl paint type table

Generic paint type	Valspar product	Technical Data Sheet (TDS)	Paint reference AS/NZS 2311 Table 4.2	Australian Standard
Flat latex: interior	Wattyl I.D Advanced Matt (Low VOC, Anti-Bacterial & Anti-Mould)	D12.2	B6	AS 3730.1
	Wattyl I.D Advanced Ceiling Flat (Low VOC)	D12.1		AS 3730.1
	Wattyl Ultra Ceiling Premium High Opacity White (Low VOC)	D13.1		AS 3730.1
	Wattyl Ultra Ceiling Premium Toned White (Low VOC)	D13.2		AS 3730.1
	Wattyl Ultra Interior Premium Matt Acrylic	D13.5		AS 3730.1
	Permopave Non-Slip	D4.34		
	Rapidline	TM13.30		AS 4049.3
Low sheen latex:	Wattyl I.D	D12.3		AS 3730.3

Generic paint type	Valspar product	Technical Data Sheet (TDS)	Paint reference AS/NZS 2311 Table 4.2	Australian Standard
interior	Advanced Low Sheen (Low VOC, Anti-Bacterial & Anti-Mould)			
	Wattyl Ultra Interior Premium Clean Air Low Sheen Acrylic (Low VOC)	D13.8		AS 3730.3
	Wattyl Ultra Interior Premium Low Sheen Acrylic	D13.6		AS 3730.3
Satin latex: interior	Wattyl I.D Advanced Satin (Low VOC, Anti-Bacterial & Anti-Mould)	D12.4		AS 3730.2
	Wattyl Ultra Interior Premium Satin Acrylic	D13.7		AS 3730.2
	Aqua Trim Satin	D12.7		AS 3730.2
Gloss latex: interior	Aqua Trim Gloss	D12.8	B9	AS 3730.12
Flat latex: exterior	Solagard Masonry Matt	D4.41	B6	AS 3730.8 AS 3730.16
	GranoShield Matt	G2.27		AS/NZS 4548.1
	Permopave Non-Slip	D4.34		
	Rapidline	TM13.30		AS 4049.3
Low gloss latex: exterior	Solagard Low Sheen	D4.14	B7	AS 3730.8
	GranoImpact	G2.01		AS/NZS 4548.3
	Weathergard Decking Paint	D5.53		
Satin latex: exterior	Solagard Satin	D4.66	B8	AS/NZS 3750.9
	GranoSkin Membrane	G2.14		AS/NZS 4548.3
	Aqua Trim Satin	D12.7		AS 3730.2
Gloss latex: exterior	Solagard Gloss	D4.13		AS 3730.10
	Aqua Trim Gloss	D12.8	B9	AS 3730.12
Satin latex interior trim	Aqua Trim Satin	D12.7		AS 3730.2
Gloss latex interior trim	Aqua Trim Gloss	D12.8	B42	AS 3730.12
Satin solvent-borne: interior	Wattyl Ultra Oil-Based Enamel Premium Satin	D13.10	B3	AS 3730.5
High gloss solvent-borne: interior	Wattyl Ultra Oil-Based Enamel Premium Gloss	D13.11	B5	AS 3730.6
	Permopave Floor & Paving Paint	D4.08		

Generic paint type	Valspar product	Technical Data Sheet (TDS)	Paint reference AS/NZS 2311 Table 4.2	Australian Standard
High gloss solvent-borne: exterior	Wattyl Ultra Oil-Based Enamel Premium Gloss	B13.11	B5	AS 3730.6
	Killrust Epoxy Gloss Enamel	D4.59		
	Solver Roof & Structural Micaceous Paint	FC-4105.01		
	Permopave Floor & Paving Paint	D4.08		
Wood primer, solvent-borne	Master Prep Timber Primer (Pink/White)	D2.18	B10	AS 3730.13
	Master Prep Multi-Purpose Undercoat	D3.40		
	Wattyl Ultra All-Purpose Undercoat	D9.49		
	Wattyl Ultra Fast Dry Undercoat	D9.50		
Wood primer, latex	AquaPrep Acrylic Timber Primer	D2.16	B10A	AS 3730.17
	Aqua Prep Primer Sealer Undercoat	D3.36		
	Wattyl Ultra Prep + Ceiling High Efficiency Flat	D13.3		
	Wattyl Ultra Primer Sealer Undercoat (PSU) (Low VOC)	D9.47		AS 3730.17 AS 3730.18
Concrete and masonry sealer, water borne	GranoPrime	G1.02	B15	
Concrete and masonry sealer, solvent borne	GranoPrime S	G1.03	B15	
Concrete, masonry, wallboard sealer/undercoat-latex, water borne	Aqua Prep Acrylic Sealer Undercoat Low VOC	D3.34	B16	AS 3730.18
	Wattyl Ultra Acrylic Sealer Undercoat (ASU) (Low VOC)	D9.48		AS 3730.18
	Aqua Prep Acrylic Plaster Sealer (Low VOC)	D3.35		
Concrete, masonry, wallboard sealer/undercoat-latex, solvent borne	Master Prep Pigmented Sealer	D3.39	B16	AS 3730.22
Undercoat, solvent-borne	Master Prep Multi Purpose Undercoat	D3.40	B17	AS 3730.14
	Wattyl Ultra Fast	D9.50		

Generic paint type	Valspar product	Technical Data Sheet (TDS)	Paint reference AS/NZS 2311 Table 4.2	Australian Standard
	Dry Undercoat			
	Wattyl Ultra All-Purpose Undercoat	D9.49		
Undercoat, latex: interior	AquaPrep Primer Sealer Undercoat (Low VOC)	D3.24	B17A	AS 3730.18
	Aqua Prep Primer Sealer Undercoat	D3.36	B17A	AS 3730.18
	Wattyl Ultra Primer Sealer Undercoat (PSU) (Low VOC)	D9.47		AS 3730.17 AS 3730.18
	Wattyl Ultra Acrylic Sealer Undercoat (ASU) (Low VOC)	D9.48		AS 3730.18
Undercoat, latex: exterior	Aqua Prep Primer Sealer Undercoat	D3.36	B17A	AS 3730.18
	Wattyl Ultra Primer Sealer Undercoat (PSU) (Low VOC)	D9.47		AS 3730.17 AS 3730.18
Metal primer, water borne	Aqua Prep Galvanized Iron Primer	D2.17		AS 3730.15
Metal primer, solvent borne	Killrust Etch Primer	D2.08		
	Killrust Heavy Duty Primer	D2.11		
	Master Prep Metal Primer	D2.19		
Clear varnish for timber floors, water borne (Low VOC): interior	ESTAPOL Water Based Speed Clear Gloss	D5.54		
	ESTAPOL Water Based Speed Clear Satin	D5.54		
Clear varnish for timber trim, water borne (Low VOC): interior	ESTAPOL Water Based Xtra Clear Gloss	D5.58		
	ESTAPOL Water Based Xtra Clear Satin	D5.58		
Two-pack clear gloss floor finish: interior	Estapol 7008	D5.07	B20	AS 3730.27
Clear varnish for timber trim: interior	ESTAPOL Moisture Cure Polyurethane High Gloss	D5.61		
Wood Stain for floors, water borne (Low VOC): interior	Colourwood flooring stain	D5.57		
Wood Stain for trim, water borne (Low	Colourwood Water Based Stain and	D5.24		

Generic paint type	Valspar product	Technical Data Sheet (TDS)	Paint reference AS/NZS 2311 Table 4.2	Australian Standard
VOC): interior	Varnish Gloss			
Transparent polyurethane varnish for timber decking & walls: exterior	Weathergard Decking 2-in-1 Stain & Varnish	D5.49		
Decking paint for timber: exterior	Weathergard Decking Paint	D5.53		
Transparent decking oil paint for timber: exterior	Weathergard Water-based Decking Oil	D5.52		

Wattyl low VOC paint table

Include this subclause if the outgassing of volatile organic compounds is an issue, e.g. for health and aged care facilities, food premises and schools. Delete if not required.

See AS/NZS 2311 clause 1.5.2.6 and Table 4.2 for guidance on low VOC paint types.

Wattyl provides paint systems that conform to the requirements of the Green Building Council of Australia (GBCA) where a Green Star rating is being sought for the project.

The requirements of Green Star rating tools are subject to change without notice so check the GBCA website for latest figures.

Wattyl EcoTint is an ultra-low VOC tint system which does not increase the VOC of paint when tinted regardless of colour selected.

Product Type	Valspar products	VOC gm/litre Tinted
Walls and ceilings – Interior Semi-Gloss	Wattyl I.D Advanced Satin	< 1
Walls and ceilings – Interior Low Sheen	Wattyl I.D Advanced Low Sheen	< 1
Walls and ceilings – Interior Low Sheen	Wattyl Ultra Interior Premium Clean Air Low Sheen Acrylic	< 1
Walls and ceilings Interior Flat-Washable	Wattyl I.D Advanced Matt	< 1
Ceilings – Interior Flat	Interior Design I.D Advanced Ceiling Flat	< 1
Ceilings – Interior Flat	Wattyl Ultra Ceiling Premium High Opacity White	< 3
Ceilings – Interior Flat	Wattyl Ultra Ceiling Premium Toned White	< 14
Trim – Interior Gloss	Aqua Trim Gloss	< 45
Trim – Interior Semi-gloss	Aqua Trim Silky Satin	< 45
Timber Primer	Aqua Prep Acrylic Timber Primer	< 30
Timber Primer	Wattyl Ultra Primer Sealer Undercoat (PSU)	< 20
Binding Primer	Aqua Prep Acrylic Plaster Sealer	< 5
Latex primer for galvanized iron and zincalume	AquaPrep Galvanized Iron Primer	< 10
Interior Latex Undercoat	Aqua Prep Acrylic Sealer Undercoat Low VOC	< 1
Interior Latex Undercoat	Wattyl Ultra Primer Sealer Undercoat (PSU)	< 20
Interior Latex Undercoat	Wattyl Ultra Acrylic Sealer Undercoat (ASU)	< 20

Product Type	Valspar products	VOC gm/litre Tinted
Interior Sealer	Aqua Prep Acrylic Sealer Undercoat Low VOC	< 1
Interior Sealer	Wattyl Ultra Primer Sealer Undercoat (PSU)	< 20
Interior Sealer	Wattyl Ultra Acrylic Sealer Undercoat (ASU)	< 20
One pack performance coatings for floors	ESTAPOL Water Based Speed Clear Gloss-Satin	< 135
One pack performance coatings for floors	ESTAPOL Water Based Xtra Clear Gloss-Satin	< 75
Trim – Exterior Gloss	Solagard Gloss	< 73
Trim – Exterior Low Sheen	Solagard Low Sheen	< 45
Trim – Exterior Semi Gloss	Solagard Satin	< 60
Exterior Latex Undercoat	Solver Ultra Primer Sealer Undercoat (PSU)	< 20

Combinations

General: Do not combine products from different manufacturers in a system.

Clear timber finish systems: Provide only the combinations of putty, stain and sealer recommended by the manufacturer of the topcoats.

Putty and fillers

Material: To the recommendations of the paint system manufacturer, suitable for the substrate and compatible with the primer.

Tinting

General: Provide only products which are colour tinted by the manufacturer or supplier.

If tinting is by the contractor, add tinters or stainers only if this does not adversely affect the durability or aesthetic performance of the product.

Toxic ingredients

General: To the *Poisons Standard - Schedule 1 (SUSMP) Part 2 Section 7*.

Part 2 Section 7 contains two groups. The first lists toxic pigment components such as barium and cadmium and the second lists toxic solvents. The First Group of paints are banned for use on roofs, furniture, fences and gates, surface of non-industrial buildings and in premises used for products intended for human consumption. Check for any state variations.

3 EXECUTION

3.1 PREPARATION

Order of work

Other trades: Before painting, complete the work of other trades as far as practicable within the area to be painted, except for the installation of fittings, floor sanding and laying flooring materials.

Clear finishes: Complete clear timber finishes before commencing opaque paint finishes in the same area.

Protection

General: Before painting, clean the area and protect it from dust contamination. Use drop sheets and masking agents to protect surfaces, including finished surfaces and adjacent finishes, during painting.

Fixtures and furniture: Remove door furniture, switch plates, light fittings and other fixtures before painting, and conform to the following:

- Labelling and storage: Attach labels or mark fixtures using a non-permanent method, identifying location and refixing instructions, if required. Store and protect against damage.

Difficult to remove fixtures: Where removal is impractical or difficult, apply surface protection before substrate preparation and painting.

Wet paint warning

Notices: Place in a conspicuous location and do not remove until the paint is dry.

Substrate preparation – generally

General: Prepare substrates to receive the painting systems.

Different surfaces require different preparations. Refer to AS/NZS 2311 clauses 3.2 to 3.14 for the preparation of different substrates and refer to clause 8.4 if using a different paint system for previously painted surfaces.

Cleaning: Clean down the substrate surface. Do not cause damage to the substrate or the surroundings.

Filling: Fill cracks and holes with fillers, sealants, putties or grouting cements as appropriate for the finishing system and substrate, and sand smooth.

- Clear finish: Provide filler tinted to match the substrate.

Clear timber finish systems: Prepare the surface so that its attributes will show through the clear finish without blemishes, using methods including the following:

- Removal of bruises.
- Removal of discolourations, including staining by oil, grease and nailheads.
- Bleaching where necessary to match the timber colour sample.
- Puttying.
- Fine sanding, with the last abrasive no coarser than 220 grit, so that there are no scratches across the grain.

High quality clear finishing of timber may require a higher standard of substrate preparation than those described in AS/NZS 2311.

Treated surfaces: If surfaces have been treated with preservatives or fire retardants, make sure coating is compatible with the treatment and does not adversely affect its performance.

Unpainted surfaces

Standard: To AS/NZS 2311 Section 3.

Previously painted surfaces

Previously painted surfaces may require specific reference to one of the methods recommended in AS/NZS 2311 Section 7 or AS 2312.1 Section 8. These sections provide guidance on criteria assessment and pretreatments such as mechanical power cleaning, flame cleaning, water blasting. See the following for guidance on managing previously painted surfaces:

- Surfaces which may contain lead: AS 4361.2.
- Set plaster and fibrous plaster surfaces: If diluted phosphoric acid solution is used for handling, see AS/NZS 2311 clause 3.10 and 3.11. Alternatively, document a paint system which includes a sealer.
- Metal surfaces: The AS 1627 series for the preparation requirements, pretreatments of different methods and cleaning levels.

Photographs and samples may be used for setting the level of cleaning.

Condition of substrate: [complete/delete]

AS/NZS 2311 Section 7 provides guidance on assessing the condition of the existing paint coating and provides recommendations of substrate preparation, depending on the condition.

Location of substrate in good condition: [complete/delete].

Location of substrate in poor condition: [complete/delete].

Preparation of a substrate in good condition: To AS/NZS 2311 clause 7.4.

Preparation of a substrate in poor condition: To AS/NZS 2311 clause 7.5.

Preparation of steel substrates with protective coatings: To AS 2312.1 Section 8 and AS 1627.1.

PVC-U: Clean with methylated spirit and a nylon scouring pad.

Wallcovering: Remove wallcovering and residual paste with clean water. Patch and repair substrate to a uniform surface before painting.

Lime wash paints: Remove by brushing with warm water.

Reconditioned damaged surfaces in galvanized steel: To AS/NZS 4680 Appendix E.

Cleaning external surfaces

Sound external surfaces other than timber: Remove dirt, grease, loose and foreign matter, efflorescence and mould by water blasting or steam cleaning without damaging the surface. Remove remaining loose material with appropriate hand tools. Use sanding blocks to preserve the arrises of masonry and stone details.

Efflorescence: Eliminate the source of salt and water before cleaning. Allow surface to dry for 15 to 30 days before repainting.

New masonry: Allow 30 days for the masonry to cure and pH level to stabilise before painting.

High quality timber clear finishes may require a higher standard of preparation than those described in AS/NZS 2311.

Particular preparation requirements schedule

Use the **Particular preparation requirements schedule** to expand the worksection provisions for particular substrates and finishes. Delete if not required. Add here any specific requirements in addition to the general provisions of AS/NZS 2311 Sections 3 and 7.

Substrate	Preparation method	Applicable standard

See AS/NZS 2311 for guidance on:

- Timber products: Clause 3.2.
- Building boards: Clause 3.3.
- Iron and steel: Clause 3.4.
- Zinc-coated aluminium and zinc/aluminium alloy-coated steel: Clause 3.5.
- Aluminium: Clause 3.6.
- Copper and brass: Clause 3.7.
- Lead: Clause 3.8.
- Masonry: Clause 3.9.
- Set plaster: Clause 3.10.
- Fibrous plaster: Clause 3.11.
- Gypsum plasterboard: Clause 3.12.
- Plastics: Clause 3.13.
- Asbestos encapsulation or sealing: Clause 3.14.

3.2 PAINTING

Light levels

General: ≥ 400 lux.

Amend for other artificial illumination conditions

Substrate moisture content

Requirement: Use a moisture meter to demonstrate that the moisture content of the substrate is at or below the recommended maximum level for the type of paint and the substrate material.

Painting conditions

General: Unless the paint is recommended for such conditions, do not paint under the following conditions:

- Dusty conditions.
- Relative humidity: > 85%.
- Surface temperature: < 10°C or > 35°C.

Priming before fixing

General: Apply one coat of wood primer, and 2 coats to end grain, to the back of the following before fixing in position:

- External fascia boards.
- Timber door and window frames.
- Bottoms of external doors.
- Associated trims and glazing beads.
- Timber board cladding.

Sanding

Clear finishes: Sand the sealer using abrasives no coarser than 320 grit without cutting through the colour. Take special care with round surfaces and edges.

Spraying

General: If the paint application is by spraying, use conventional or airless equipment which conforms to the following:

- Satisfactorily atomises paint being applied.
- Does not require paint to be thinned beyond the maximum amount recommended by the manufacturer.
- Does not introduce oil, water or other contaminants into the applied paint.

Paint with known health hazards: Provide personal protection, masking, ventilating and screening facilities to AS/NZS 4114.1 and AS/NZS 4114.2.

AS/NZS 4114.1 and AS/NZS 4114.2 set out standards for spray painting booths.

Repair

Requirement: Clean off marks, paint spots and stains progressively and restore damaged surfaces to their original condition.

Maintenance painting: To AS/NZS 2311 Section 8.

Repair of galvanizing

Cleaning: For galvanized surfaces which have been subsequently welded, power tool grind to remove all surface contaminants, including rust and weld splatter. Prime affected area immediately after cleaning.

Primer: Type 2 organic zinc-rich coating for the protection of steel to AS/NZS 3750.9.

Tinting

General: Tint each coat of an opaque coating system so that each has a noticeably different tint from the preceding coat, except for top coats in systems with more than one top coat.

Services

General: Paint all new services and equipment, including those in plant rooms, if not embedded, except chromium, anodised aluminium, GRP, PVC-U, stainless steel, non-metallic flexible materials and normally lubricated machined surfaces.

Proprietary items: Repaint only if damaged.

Windows

Operation: Make sure opening windows function correctly before and after painting.

Doors

Drying: Maintain door leaf in the open position during drying. Do not allow door hardware or accessories to damage the door finish during the drying process.

For example, rubber bumpers can adhere to semi-dry paint overnight when the door is closed.

3.3 COMPLETION**Cleaning**

General: On completion of painting, remove splatters by washing, scraping or other methods which do not scratch or damage adjacent finished surfaces.

Reinstatement: Repair, replace or refinish any damage, including works of other trades. Touch up new damaged decorative paintwork or misses only with the paint batch used in the original application.

Fixtures: Refix removed and undamaged fixture in the original location, make sure they are properly fitted and in proper working order.

Protection and masking

General: Remove masking and protection coverings before paint has dried.

Disposal of paint and waste materials.

Requirement: Conform to requirements of the local government authority.

Consider including requirements for the disposal of all hazardous materials associated with painting. Check if the local council waste facility caters for the disposal of paint and painting waste materials or if the paint manufacturer has a collection and recycling plan.

4 SELECTIONS

Schedules are a way of documenting a selection of proprietary or generic products or systems by their properties. Indicate their locations here and/or on the drawings. Refer to NATSPEC TECHnote GEN 024 for guidance on using and editing schedules.

4.1 PAINTING SYSTEMS

General

Number of coats: Except where one or two coat systems are documented, each paint system consists of at least 3 coats.

Allow for additional coats if necessary to:

- Prepare porous or reactive substrates with prime or seal coats consistent with the manufacturer's recommendations.
- Achieve the total film thickness or texture.
- Achieve a satisfactory opacity.

Final coat selection: To the **INTERIOR PAINTING SCHEDULE** and the **EXTERIOR PAINTING SCHEDULE**.

Low VOC emitting paints

Include this subclause if the outgassing of volatile organic compounds is an issue, e.g. for health and aged care facilities, food premises and schools. Delete if not required.

See AS/NZS 2311 clause 1.5.2.6 and Table 4.2 for guidance on low VOC paint types.

General: Provide the VOC limits as documented in the **INTERIOR PAINTING SCHEDULE** and the **EXTERIOR PAINTING SCHEDULE**.

Previously painted surfaces

Standard: To AS/NZS 2311 Tables 8.2 and 8.3.

Other requirements: Apply the following:

- Sealer: [complete/delete]
- Undercoat: [complete/delete]

Consult manufacturer.

Specialised painting systems

Standard: To AS/NZS 2311 clause 5.2. Provide the following final coats:

- High build textured or membrane finishes for concrete and masonry: B38 using products conforming to the AS 4548 series.
- Two-pack gloss pigmented polyurethane: B44.
- Two-pack epoxy: B29.
- Two-pack water based epoxy: B29A.

4.2 COLOUR RANGE

Paint colours schedule

Substrate	Number of colours

If the colour selections have not been made at the tender stage, nominate the estimated number of colours for each substrate to aid pricing. If the colour selection is included in the **Interior painting schedule** and the **Exterior painting schedule** delete this subclause.

4.3 INTERIOR PAINTING SCHEDULE

The **Painting schedules** describe the paint system with reference to the substrate but does not locate the finish within the project. Prepare a separate document e.g. a Finishes schedule to locate the various paint systems or note them on drawings, by reference to the Paint code.

The **Painting schedules** include paint systems for the most common substrates. System specifications for other substrates are available at www.valsparprofessional.com.au/specifications/

Duplicate and customise these schedules, adding and deleting rows and columns, as required.

Walls and Ceilings: Ultra premium interior (Low VOC, anti-bacterial & anti-mould) - General use and wet areas

These paint systems inhibit growth of mould and bacteria on the paint surfaces.

Suitable for wet areas.

Low VOC and low odour paint system.

Paint code	Substrate	Final coat	Painting system	Colour reference
	Previously Painted with Water Based	Wattyl I.D Advanced Matt	WAU1005.02	
	Paper-Faced Plasterboard	Wattyl I.D Advanced Matt	WAU1005.04	
	Plaster: white set	Wattyl I.D Advanced Matt	WAU1005.07	
	Brickwork / Blockwork / Masonry	Wattyl I.D Advanced Matt	WAU1005.08	
	Cement Render	Wattyl I.D Advanced Matt	WAU1005.09	
	Concrete: In situ/Off-form	Wattyl I.D Advanced Matt	WAU1005.10	
	Fibre Cement Sheet (FCS)	Wattyl I.D Advanced Matt	WAU1005.11	
	Previously Painted with Water Based	Wattyl I.D Advanced Low Sheen	WAU1006.02	
	Paper-Faced Plasterboard	Wattyl I.D Advanced Low Sheen	WAU1006.04	
	Timber	Wattyl I.D Advanced Low Sheen	WAU1006.05	
	Plaster: white set (water-based primer)	Wattyl I.D Advanced Low Sheen	WAU1006.07	
	Brickwork / Blockwork / Masonry	Wattyl I.D Advanced Low Sheen	WAU1006.08	
	Cement Render	Wattyl I.D Advanced Low Sheen	WAU1006.09	
	Concrete: In situ/Off-form	Wattyl I.D Advanced Low Sheen	WAU1006.10	
	Fibre Cement Sheet (FCS)	Wattyl I.D Advanced Low Sheen	WAU1006.11	
	Previously Painted Water Based Acrylic Finishes	Wattyl I.D Advanced Satin	WAU1007.02	
	Paper-Faced Plasterboard	Wattyl I.D Advanced Satin	WAU1007.04	
	Timber	Wattyl I.D Advanced Satin	WAU1007.05	

Paint code	Substrate	Final coat	Painting system	Colour reference
	Plaster: white set	Wattyl I.D Advanced Satin	WAU1007.07	
	Brickwork / Blockwork / Masonry	Wattyl I.D Advanced Satin	WAU1007.08	
	Cement Render	Wattyl I.D Advanced Satin	WAU1007.09	
	Concrete: In situ/Off-form	Wattyl I.D Advanced Satin	WAU1007.10	
	Fibre Cement Sheet (FCS)	Wattyl I.D Advanced Satin	WAU1007.11	

Ceilings: Ultra premium interior (Low VOC)

Low VOC and low odour paint system.

Suitable for wet areas.

Paint code	Substrate	Final coat	Painting system	Colour reference
	Previously Painted Water Based Acrylic Finishes	Wattyl I.D Advanced Ceiling Flat	WAU1001.02	
	Paper-Faced Plasterboard	Wattyl I.D Advanced Ceiling Flat	WAU1001.04	
	Plaster: white set	Wattyl I.D Advanced Ceiling Flat	WAU1001.07	
	Concrete: In situ/Off-form	Wattyl I.D Advanced Ceiling Flat	WAU1001.10	
	Fibre Cement Sheet (FCS)	Wattyl I.D Advanced Ceiling Flat	WAU1001.11	

Doors and Trim; Walls and Ceilings: Ultra premium Interior (Low VOC) water based enamel

Paint Code	Substrate	Final coat	Painting System	Colour Reference
	Previously Painted with Oil Based	Aqua Trim Satin	WAU1026.01	
	Previously Painted with Water Based	Aqua Trim Satin	WAU1026.02	
	Preprimed Steel	Aqua Trim Satin	WAU1026.03	
	Plasterboard	Aqua Trim Satin	WAU1026.04	
	Timber	Aqua Trim Satin	WAU1026.05	
	MDF	Aqua Trim Satin	WAU1026.06	
	Cement Render	Aqua Trim Satin	WAU1026.09	
	Concrete: In situ/Off-form	Aqua Trim Satin	WAU1026.10	
	Galvanized Iron/Zincalume	Aqua Trim Satin	WAU1026.13	
	Previously Painted with Oil Based	Aqua Trim Gloss	WAU1027.01	
	Previously Painted	Aqua Trim Gloss	WAU1027.02	

Paint Code	Substrate	Final coat	Painting System	Colour Reference
	with Water Based			
	Preprimed Steel	Aqua Trim Gloss	WAU1027.03	
	Plasterboard	Aqua Trim Gloss	WAU1027.04	
	Timber	Aqua Trim Gloss	WAU1027.05	
	MDF	Aqua Trim Gloss	WAU1027.06	
	Cement Render	Aqua Trim Gloss	WAU1027.09	
	Concrete: In situ/Off-form	Aqua Trim Gloss	WAU1027.10	
	Galvanized Iron/Zincalume	Aqua Trim Gloss	WAU1027.13	

Doors and Trim: Ultra premium interior enamel

Paint code	Substrate	Final coat	Painting system	Colour reference
	Previously Painted with Oil Based	Master Enamel Satin	WAU1053.01	
	Timber	Master Enamel Satin	WAU1053.05	
	MDF	Master Enamel Satin	WAU1053.06	
	Galvanized Iron/Zincalume	Master Enamel Satin	WAU1053.13	
	Steel, Ferrous Metal (not galvanized)	Master Enamel Satin	WAU1053.16	
	Previously Painted with Oil Based	Master Enamel Gloss	WAU1054.01	
	Timber	Master Enamel Gloss	WAU1054.05	
	MDF	Master Enamel Gloss	WAU1054.06	
	Galvanized Iron/Zincalume	Master Enamel Gloss	WAU1054.13	
	Steel, Ferrous Metal (not galvanized)	Master Enamel Gloss	WAU1054.16	

Walls: Premium Interior painting low VOC

- Acrylic paint.
- Low VOC and low odour paint system.

Paint code	Substrate	Final coat	Painting system	Colour reference
	Previously Painted with Water Based	Wattyl Ultra Interior Premium Clean Air Low Sheen Acrylic	WAU1308.02	
	Paper-Faced Plasterboard	Wattyl Ultra Interior Premium Clean Air Low Sheen Acrylic	WAU1308.04	
	Plaster: white set	Wattyl Ultra Interior Premium Clean Air Low	WAU1308.07	

Paint code	Substrate	Final coat	Painting system	Colour reference
		Sheen Acrylic		
	Brickwork/Blockwork/Masonry	Wattyl Ultra Interior Premium Clean Air Low Sheen Acrylic	WAU1308.08	
	Cement Render	Wattyl Ultra Interior Premium Clean Air Low Sheen Acrylic	WAU1308.09	
	Concrete In situ/Off-form	Wattyl Ultra Interior Premium Clean Air Low Sheen Acrylic	WAU1308.10	
	Fibre Cement Sheet (FCS)	Wattyl Ultra Interior Premium Clean Air Low Sheen Acrylic	WAU1308.11	

Ceilings: Premium Interior painting low VOC

Acrylic ceiling paint.

Low VOC and low odour paint system.

Paint code	Substrate	Final coat	Painting system	Colour reference
	Previously Painted with Water Based	Wattyl Ultra Ceiling Premium High Opacity White	WAU1301.02	
	Paper-Faced Plasterboard	Wattyl Ultra Ceiling Premium High Opacity White	WAU1301.04	
	Plaster: white set	Wattyl Ultra Ceiling Premium High Opacity White	WAU1301.07	
	Concrete: In situ/Off-form	Wattyl Ultra Ceiling Premium High Opacity White	WAU1301.10	
	Fibre Cement Sheet (FCS)	Wattyl Ultra Ceiling Premium High Opacity White	WAU1301.11	
	Previously Painted and Water Based	Wattyl Ultra Ceiling Premium Toned White	WAU1302.02	
	Paper-Faced Plasterboard	Wattyl Ultra Ceiling Premium Toned White	WAU1302.04	
	Plaster: white set (water-based primer)	Wattyl Ultra Ceiling Premium Toned White	WAU1302.07	
	Concrete: In situ/Off form	Wattyl Ultra Ceiling Premium Toned White	WAU1302.10	
	Fibre Cement Sheet (FCS)	Wattyl Ultra Ceiling Premium Toned White	WAU1302.11	

Walls and ceilings: Premium Interior painting (Mould resistant for wet areas)

Low odour paint system.

Paint code	Substrate	Final coat	Painting system	Colour reference
	Previously Painted with Water Based	Wattyl Ultra Interior Premium Satin Acrylic	WAU1307.02	
	Paper-Faced Plasterboard	Wattyl Ultra Interior Premium Satin Acrylic	WAU1307.04	
	Plaster: white set	Wattyl Ultra Interior Premium Satin Acrylic	WAU1307.07	
	Brickwork/Blockwork/Masonry	Wattyl Ultra Interior Premium Satin Acrylic	WAU1307.08	
	Cement Render	Wattyl Ultra Interior Premium Satin Acrylic	WAU1307.09	
	Concrete: In situ/Off-form	Wattyl Ultra Interior Premium Satin Acrylic	WAU1307.10	
	Fibre Cement Sheet (FCS)	Wattyl Ultra Interior Premium Satin Acrylic	WAU1307.11	
	Concrete: Precast/Tilt-up Panels	Wattyl Ultra Interior Premium Satin Acrylic	WAU1307.12	

Walls: Premium Interior painting

Low odour paint system.

Paint code	Substrate	Final coat	Painting system	Colour reference
	Previously Painted with Water Based	Wattyl Ultra Interior Premium Matt Acrylic	WAU1305.02	
	Paper-Faced Plasterboard	Wattyl Ultra Interior Premium Matt Acrylic	WAU1305.04	
	Plaster: white set	Wattyl Ultra Interior Premium Matt Acrylic	WAU1305.07	
	Brickwork/Blockwork/Masonry	Wattyl Ultra Interior Premium Matt Acrylic	WAU1305.08	
	Cement Render	Wattyl Ultra Interior Premium	WAU1305.09	

Paint code	Substrate	Final coat	Painting system	Colour reference
		Matt Acrylic		
	Concrete: In situ/Off-form	Wattyl Ultra Interior Premium Matt Acrylic	WAU1305.10	
	Fibre Cement Sheet (FCS)	Wattyl Ultra Interior Premium Matt Acrylic	WAU1305.11	
	Concrete: Precast/Tilt-up Panels	Wattyl Ultra Interior Premium Matt Acrylic	WAU1305.12	
	Previously Painted and Water Based	Wattyl Ultra Interior Premium Low Sheen Acrylic	WAU1306.02	
	Paper-Faced Plasterboard	Wattyl Ultra Interior Premium Low Sheen Acrylic	WAU1306.04	
	Plaster: white set	Wattyl Ultra Interior Premium Low Sheen Acrylic	WAU1306.07	
	Brickwork/Blockwork/Masonry	Wattyl Ultra Interior Premium Low Sheen Acrylic	WAU1306.08	
	Cement Render	Wattyl Ultra Interior Premium Low Sheen Acrylic	WAU1306.09	
	Concrete: In situ/Off form	Wattyl Ultra Interior Premium Low Sheen Acrylic	WAU1306.10	
	Fibre Cement Sheet (FCS)	Wattyl Ultra Interior Premium Low Sheen Acrylic	WAU1306.11	
	Concrete: Precast/Tilt-up Panels	Wattyl Ultra Interior Premium Low Sheen Acrylic	WAU1306.12	

Doors and Trim: Premium interior painting enamel

Paint code	Substrate	Final coat	Painting system	Colour reference
	Previously Painted with Oil Based	Wattyl Ultra Oil-Based Enamel Premium Satin	WAU1310.01	
	Preprimed Steel	Wattyl Ultra Oil-Based Enamel Premium Satin	WAU1310.03	
	Timber	Wattyl Ultra Oil-Based Enamel	WAU1310.05	

Paint code	Substrate	Final coat	Painting system	Colour reference
		Premium Satin		
	MDF	Wattyl Ultra Oil-Based Enamel Premium Satin	WAU1310.06	
	Galvanized Iron/Zincalume	Wattyl Ultra Oil-Based Enamel Premium Satin	WAU1310.13	
	Previously Painted with Oil Based	Wattyl Ultra Oil-Based Enamel Premium Gloss	WAU1311.01	
	Preprimed Steel	Wattyl Ultra Oil-Based Enamel Premium Gloss	WAU1311.03	
	Timber	Wattyl Ultra Oil-Based Enamel Premium Gloss	WAU1311.05	
	MDF	Wattyl Ultra Oil-Based Enamel Premium Gloss	WAU1311.06	
	Galvanized Iron/Zincalume	Wattyl Ultra Oil-Based Enamel Premium Gloss	WAU1311.13	

Premium Woodcare clear two pack polyurethane finishes

- Outstanding hardness and durability.
- Highly abrasion, scratch and scuff resistant.
- Highlights natural grain, colour and texture of timbers.
- Interior use only.

Paint code	Substrate	Final coat	Painting system	Colour reference
	Timber floors and trim	ESTAPOL 7008	WAU1126.05	Not applicable

Premium Woodcare clear polyurethane finishes low VOC

- Dries quickly for fast recoating.
- Low VOC and low odour paint system.
- Highly abrasion, scratch and scuff resistant.
- Highlights natural grain, colour and texture of timbers.

Paint code	Substrate	Final coat	Painting system	Colour reference
	Timber floors	ESTAPOL Water Based Speed Clear Gloss	WAU1127.05	Not applicable
	Timber floors	ESTAPOL Water Based Speed Clear Satin	WAU1127.05	Not applicable
	Timber trim	ESTAPOL Water Based Xtra Clear Gloss	WAU1135.05	Not applicable
	Timber trim	ESTAPOL Water Based Xtra Clear Satin	WAU1135.05	Not applicable

Premium Woodcare clear varnish finishes

- Tough flexible and hard wearing clear finish.
- Suited to timber and concrete floors in high traffic areas.
- Suitable for timber furniture and trim.
- Interior use only.

Paint code	Substrate	Final coat	Painting system	Colour reference
	Timber	ESTAPOL Moisture Cure Polyurethane High Gloss	WAU1128.05	Not applicable

Premium Woodcare stain and clear timber floor finishes low VOC

- Clear polyurethane varnish for tongue and groove flooring.
- Water based pigmented stain.
- Ideal for a darker colour or a limed finish that does not hide the grain.
- Dries quickly for fast re coating.
- Highly abrasion, scratch and scuff resistant.
- Low odour.

Paint code	Substrate	Final coat	Painting system	Stain colour
	Timber	ESTAPOL Water Based Speed Clear Gloss	WAU1132.05	
	Timber	ESTAPOL Water Based Speed Clear Satin	WAU1132.05	

Premium Woodcare stain and clear finishes low VOC

- Combined water based stain and varnish for doors and trim.
- Quick drying.
- Low odour.

Paint code	Substrate	Stain coats	Final coat	Painting system	Stain colour
	Timber	Colourwood Interior Stain	ESTAPOL Water Based Xtra Clear Gloss	WAU1141.05	
	Timber	Colourwood Interior Stain	ESTAPOL Water Based Xtra Clear Satin	WAU1141.05	
	Timber	Colourwood Water based Stain and Varnish	Colourwood Water based Stain and Varnish	WAU1143.05	

Two pack epoxy water based low VOC

Suitable for floors and walls

Paint code	Substrate	Final coat	Painting system	Colour reference
	Concrete	Wattyl EPINAMEL CF720	P32.04	
	Cement render	Wattyl EPINAMEL CF720	P32.04	

Paint code: The project specific identifier for reference in a Finishes schedule, e.g. P1, P2.

Substrate: Used to reference the Paint systems e.g. Plasterboard (paper faced). Different substrates usually require different paint systems.

Final coat: Design decision.

Painting system: Valspar specification as designated.

Colour reference: e.g. AS 2700 or a brand name. If the selection has not been made note To be advised. The selection of colours for service pipes and identification of hazards may require reference to AS 1345.

4.4 EXTERIOR PAINTING SCHEDULE

The **Painting schedules** describe the paint system with reference to the substrate but does not locate the finish within the project. Prepare a separate document, e.g. a Finishes schedule to locate the various paint systems or note them on drawings, by reference to the Paint code.

The **Painting schedules** include paint systems for the most common substrates. System specifications for other substrates are available at www.valsparprofessional.com.au/specifications/

Duplicate and customise these schedules, adding and deleting rows and columns, as required.

Ultra Premium exterior low VOC

- Tough and durable exterior paint.
- Designed to be applied to most exterior surfaces without the use of a primer.
- Satin and gloss systems suitable for use on roofs used to collect drinking water.
- Aqua Trim paints are water based enamels.

Paint code	Substrate	Final coat	Painting system	Colour reference
	Previously Painted Water Based	Solagard Masonry Matt	WAU1076.02	
	Brickwork/Blockwork/Masonry	Solagard Masonry Matt	WAU1076.08	
	Cement Render	Solagard Masonry Matt	WAU1076.09	
	Concrete: In situ/Off-form	Solagard Masonry Matt	WAU1076.10	
	Fibre Cement Sheet (FCS)	Solagard Masonry Matt	WAU1076.11	
	Concrete Precast/Tilt-Up Panels	Solagard Masonry Matt	WAU1076.12	
	Previously Painted Water Based	Solagard Low Sheen	WAU1077.02	
	Timber	Solagard Low Sheen	WAU1077.05	
	Brickwork/Blockwork/Masonry	Solagard Low Sheen	WAU1077.08	
	Cement Render	Solagard Low Sheen	WAU1077.09	
	Concrete: In situ/Off-form	Solagard Low Sheen	WAU1077.10	
	Fibre Cement Sheet (FCS)	Solagard Low Sheen	WAU1077.11	
	Concrete: Precast/Tilt-Up Panels	Solagard Low Sheen	WAU1077.12	
	Galvanized Iron/Zincalume	Solagard Low Sheen	WAU1077.13	
	PVC	Solagard Low Sheen	WAU1077.17	
	Previously Painted Water	Solagard Satin	WAU1078.02	

Paint code	Substrate	Final coat	Painting system	Colour reference
	Based			
	Timber	Solagard Satin	WAU1078.05	
	Brickwork/Blockwork/Masonry	Solagard Satin	WAU1078.08	
	Cement Render	Solagard Satin	WAU1078.09	
	Concrete: In situ/Off-form	Solagard Satin	WAU1078.10	
	Fibre Cement Sheet (FCS)	Solagard Satin	WAU1078.11	
	Concrete: Precast/Tilt-Up Panels	Solagard Satin	WAU1078.12	
	Galvanized Iron/Zincalume	Solagard Satin	WAU1078.13	
	PVC	Solagard Satin	WAU1078.17	
	Previously Painted Water Based	Solagard Gloss	WAU1079.02	
	Timber	Solagard Gloss	WAU1079.05	
	Brickwork/Blockwork/Masonry	Solagard Gloss	WAU1079.08	
	Cement Render	Solagard Gloss	WAU1079.09	
	Concrete: In situ/Off-form	Solagard Gloss	WAU1079.10	
	Fibre Cement Sheet (FCS)	Solagard Gloss	WAU1079.11	
	Concrete: Precast/Tilt-Up Panels	Solagard Gloss	WAU1079.12	
	Galvanized Iron/Zincalume	Solagard Gloss	WAU1079.13	
	PVC	Solagard Gloss	WAU1079.17	

Elastomeric coating system - highest performance

Suitable for specialty substrate systems.

Superior flexibility and elasticity.

Superior façade waterproofing performance.

Anti-carbonation and chloride ion protection.

Low profile texture.

Paint code	Substrate	Final coat	Painting system	Colour reference
	Brickwork/Blockwork/Masonry	GranoSkin Membrane (Low Profile finish)	GAU3020.08	
	Cement render	GranoSkin Membrane (Low Profile finish)	GAU3020.09	
	Concrete: In situ/Off-form	GranoSkin Membrane (Low Profile finish)	GAU3020.10	
	Concrete: Precast/Tilt-Up Panels	GranoSkin Membrane (Low Profile Finish)	GAU3020.12	

Elastomeric coating system - high performance

- Suitable for specialty substrate systems.

- Excellent flexibility and elasticity.

- Excellent façade waterproofing performance.

- Anti-carbonation and chloride ion protection.

- Low profile texture.

Paint code	Substrate	Final coat	Painting system	Colour reference
	Brickwork/Blockwork/Masonry	GranoShield Matt (Low Profile finish)	GAU3030.08	
	Cement render	GranoShield Matt (Low Profile finish)	GAU3030.09	
	Concrete: In situ/Off-form	GranoShield Matt (Low Profile finish)	GAU3030.10	
	Concrete: Precast/Tilt-up Panels	GranoShield Matt (Low Profile finish)	GAU3030.12	

Elastomeric coating system

- Granosite top coat.
- Good flexibility and elasticity.
- Good façade resistance performance.
- Excellent resistance to dirt, mould and fungi.
- Anti-carbonation and chloride ion protection.
- Low profile texture.

Paint code	Substrate	Final coat	Painting system	Colour reference
	Brickwork/Blockwork/Masonry	GranoImpact (Low Profile Finish)	GAU3010.08	
	Cement render	GranoImpact (Low Profile finish)	GAU3010.09	
	Concrete: In situ/Off-form	GranoImpact (Low Profile finish)	GAU3010.10	
	Concrete: Precast/Tilt-up Panels	GranoImpact (Low Profile finish)	GAU3010.12	

Elastomeric coating system – High profile textured finish

- Granosite top coat.
- Good flexibility and elasticity.
- Good façade resistance performance.
- Excellent resistance to dirt, mould and fungi.
- Anti-carbonation and chloride ion protection.
- Low profile texture.

Paint code	Substrate	Final coat	Painting system	Colour reference
	Concrete: In situ/Off-form	GranoImpact High Profile	GAU3015.10	
	Concrete: Precast-Tilt-up Panels	GranoImpact High Profile	GAU3015.12	

Roll-on texture: High profile, smooth to coarse finishes

General purpose roller applied texture coating systems.

Applied with texture roller sleeves.

Smooth finishes (no aggregate):

- GranoImpact High Profile.
- GranoRoll-on Smooth.

Aggregate finishes (fine, medium and coarse):

- GranoSahara Ripple.
- GranoRoll-on Medium.
- GranoRoll-on Coarse.

Low VOC for interior applications:

- GranoRoll-on Smooth.
- GranoRoll-on Medium.
- GranoRoll-on Coarse.

Elastomeric top coat with excellent resistance to dirt, mould and fungi.

Coating code	Substrate	Texture/intermediate coat	Final coat	Coating system	Colour reference
	Concrete: In situ/Off-form	GranoImpact High Profile	GranoImpact	GAU3015.10	
	Concrete: Precast/Tilt-up Panels	GranoImpact High Profile	GranoImpact	GAU3015.12	
	Concrete: In situ/Off-form	GranoSoffit Texture	GranoImpact	GAU3050.10	
	Brickwork/Blockwork/Masonry	GranoSahara Ripple	GranoImpact	GAU3115.08	
	Cement Render	GranoSahara Ripple	GranoImpact	GAU3115.09	
	Concrete: In situ/Off-form	GranoSahara Ripple	GranoImpact	GAU3115.10	
	Concrete: Precast/Tilt-up Panels	GranoSahara Ripple	GranoImpact	GAU3115.12	
	Concrete: In situ/Off-form	GranoRoll-on Smooth	GranoImpact	GAU3141.10	
	Concrete: Precast/Tilt-up Panels	GranoRoll-on Smooth	GranoImpact	GAU3141.12	
	Concrete: In situ/Off-form	GranoRoll-on Medium	GranoImpact	GAU3151.10	
	Concrete: Precast/Tilt-up Panels	GranoRoll-on Medium	GranoImpact	GAU3151.12	
	Concrete: In situ/Off-form	GranoRoll-on Coarse	GranoImpact	GAU3161.10	
	Concrete: Precast/Tilt-up Panels	GranoRoll-on Coarse	GranoImpact	GAU3161.12	

External doors and trim - Ultra premium exterior (Low VOC) water based enamel

Paint code	Substrate	Final coat	Painting system	Colour reference
	Previously Painted with Oil Based	Aqua Trim Satin	WAU1026.01	
	Previously Painted with Water Based	Aqua Trim Satin	WAU1026.02	
	Preprimed steel	Aqua Trim Satin	WAU1026.03	
	Plasterboard	Aqua Trim Satin	WAU1026.04	
	Timber	Aqua Trim Satin	WAU1026.05.2	
	MDF	Aqua Trim Satin	WAU1026.06	

Paint code	Substrate	Final coat	Painting system	Colour reference
	Cement Render	Aqua Trim Satin	WAU1026.09	
	Concrete: In situ/Off-form	Aqua Trim Satin	WAU1026.10	
	Galvanized Iron/Zincalume	Aqua Trim Satin	WAU1026.13	
	Previously Painted with Oil Based	Aqua Trim Gloss	WAU1027.01	
	Previously Painted with Water Based	Aqua Trim Gloss	WAU1027.02	
	Preprimed steel	Aqua Trim Gloss	WAU1027.03	
	Plasterboard	Aqua Trim Gloss	WAU1027.04	
	Timber	Aqua Trim Gloss	WAU1027.05.2	
	MDF	Aqua Trim Gloss	WAU1027.06	
	Cement Render	Aqua Trim Gloss	WAU1027.09	
	Concrete: In situ/Off-form	Aqua Trim Gloss	WAU1027.10	
	Galvanized Iron/Zincalume	Aqua Trim Gloss	WAU1027.13	

External doors and trim: Ultra premium exterior enamel

Paint code	Substrate	Final coat	Painting system	Colour reference
	Timber	Master Enamel Gloss	WAU1054.05	
	Galvanized Iron/Zincalume	Master Enamel Gloss	WAU1052.13	
	Steel/Ferrous Metal	Master Enamel Gloss	WAU1052.16	

Doors and Trim: Premium exterior painting enamel

Paint code	Substrate	Final coat	Painting system	Colour reference
	Previously Painted with Oil Based	Wattyl Ultra Oil-Based Enamel Premium Gloss	WAU1311.01	
	Preprimed Steel	Wattyl Ultra Oil-Based Enamel Premium Gloss	WAU1311.03	
	Timber	Wattyl Ultra Oil-Based Enamel Premium Gloss	WAU1311.05.2	
	Galvanized Iron/Zincalume	Wattyl Ultra Oil-Based Enamel Premium Gloss	WAU1311.13	

Premium Woodcare exterior

Paint code	Substrate	Final coat	Painting system	Colour reference
	Timber	Weathergard Decking Water Based Stain	WAU1176.05	
	Timber	Weathergard Decking Paint	WAU1177.05	

Paint code	Substrate	Final coat	Painting system	Colour reference
	Timber	Weathergard Decking Oi	WAU1178.05	
	Timber	Weathergard Water Based Decking Oi	WAU1179.05	
	Previously stained, oiled Timber	Weathergard Decking 2-in-1 Stain & Varnish	WAU1180.01	
	Timber	Weathergard Decking 2-in-1 Stain & Varnish	WAU1180.05	
	Timber	Weathergard Exterior Varnish	WAU1181.05	

Paving paint water-based slip resistant

- Exterior and interior.

Paint code	Substrate	Final coat	Painting system	Stain colour
	Concrete	Permopave Non-Slip	D4.34	
	Asphalt/bitumen	Permopave Non-Slip	D4.34	
	Timber	Permopave Non-Slip	D4.34	

Linemarking water-based

- Low odour non-flammable.
- Quick drying, gains early resistance to rain washout.
- Excellent wear resistance.
- Stencil application at intersections.

Paint code	Substrate	Final coat	Painting system	Colour reference
	Concrete	Rapidline	TM 13.30	
	Asphalt/bitumen	Rapidline	TM 13.30	

Paint code: The project specific identifier for reference in a Finishes Schedule, e.g. P1, P2.

Substrate: Used to reference the Paint systems, e.g. Timber window frames. Different substrates usually require different paint systems.

Final coat: Design decision, e.g. Full gloss latex, semi-gloss latex.

Painting system: Valspar specification as designated.

4.5 ADDITIONAL DATA

Paint system characteristics schedule

Include the **Paint system characteristics schedule** where information is required.

Paint code	Characteristic	Requirements

Paint code: The project specific identifier for reference in a Finishes Schedule, e.g. P1, P2.

Characteristic: e.g. Minimum dry film thickness, Texture profile, Gloss level. See **SELECTIONS, PAINTING SYSTEMS** for examples of paint systems to which these additional requirements may apply. E.g., for Texture finish, latex - interior, and

Texture finish, latex - exterior, include minimum dry film thickness and texture profile. For One-pack polyurethane clear - Interior, and Two-pack polyurethane clear - Interior, specify gloss level.

Requirements: Examples include:

- Minimum dry film thickness: 300 µm.
- Textured profile: Medium.
- Gloss level: Flat, Low gloss, Semi-gloss, Gloss or Full gloss.

REFERENCED DOCUMENTS

The following documents are incorporated into this worksection by reference:

AS 1627		Metal finishing - Preparation and pretreatment of surfaces
AS 1627.1	2003	Removal of oil, grease and related contamination
AS/NZS 2310	2002	Glossary of paint and painting terms
AS/NZS 2311	2017	Guide to the painting of buildings
AS/NZS 2312		Guide to the protection of structural steel against atmospheric corrosion by the use of protective coatings
AS 2312.1	2014	Paint coatings
AS 3730		Guide to the properties of paints for buildings
AS 3730.1	2006	Latex - Interior - Flat
AS 3730.2	2006	Latex - Interior - Semi-gloss
AS 3730.3	2006	Latex - Interior - Low-gloss
AS 3730.5	2006	Solvent-borne - Interior - Semi-gloss
AS 3730.6	2006	Solvent-borne - Interior/exterior - Full gloss enamel
AS 3730.8	2006	Latex - Exterior - Low gloss
AS 3730.10	2006	Latex - Exterior - Gloss
AS 3730.12	2006	Latex - Interior - Gloss
AS 3730.13	2006	Primer - Wood - Solvent-borne - Interior/exterior
AS 3730.14	2006	Undercoat - Solvent-borne - Interior/exterior
AS 3730.15	2006	Primer - Latex - For metallic zinc surfaces
AS 3730.16	2006	Latex - Self-priming timber finish - Exterior
AS 3730.17	2006	Primer - Wood - Latex - Interior/exterior
AS 3730.18	2006	Undercoat/sealer - Latex - Interior/exterior
AS 3730.22	2006	Concrete and masonry sealer - Solvent-borne - Interior/exterior
AS 3730.27	2006	Clear coatings for interior timber floors
AS/NZS 3750		Paints for steel structures
AS/NZS 3750.9	2009	Organic zinc-rich primer
AS 4049		Paints and related materials - Pavement marking materials
AS 4049.3	2005	Waterborne paint - For use with surface applied glass beads
AS/NZS 4114		Spray painting booths, designated spray painting areas and paint mixing rooms
AS/NZS 4114.1	2003	Design, construction and testing
AS/NZS 4114.2	2003	Installation and maintenance
AS/NZS 4548		Guide to long-life coatings for concrete and masonry
AS/NZS 4548.1	1999	Wall coatings - Latex extensible
AS/NZS 4548.3	1999	Latex - Textured coatings - Non-aggregate
AS/NZS 4680	2006	Hot-dip galvanized (zinc) coatings on fabricated ferrous articles
SUSMP	2018	Poisons Standard - Schedule 1 (SUSMP)

The following documents are mentioned only in the **Guidance text**:

AS 1345	1995	Identification of the contents of pipes, conduits and ducts
AS 1627		Metal finishing - Preparation and pretreatment of surfaces
AS/NZS 1680		Interior and workplace lighting
AS/NZS 1680.1	2006	General principles and recommendations
AS/NZS 2633	2011	Guide to the specification of colours
AS 2700	2011	Colour standards for general purposes
AS 4361		Guide to lead paint management
AS/NZS 4361.2	2017	Lead paint in residential, public and commercial buildings
NATSPEC GEN 006	2007	Product specifying and substitution
NATSPEC GEN 024	2015	Using NATSPEC selections schedules
NATSPEC TR 01	2017	Specifying ESD