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3e

access specification information online at www.resene.co.nz (NZ) or www.resene.com.au (AUST) minimise the effect of your project on the environment — see www.resene.co.nz/paintwise.htm

Substrate Characteristics

Timber is a dimensionally unstable material that expands and contracts with changing moisture content. The timber surface is eroded by ultra violet light, normally changing to a grey colour, and leaving cellulose fibres exposed on the surface. Timber also provides a source of nutrient for mould growth. A protective system for timber needs to combat these three sources of aggression; viz.water, ultra violet light and mould.

Surface Preparation

New Work - see **Surface Preparation D82** for detailed preparation guidelines. Repaints - see **Surface Preparation D87** for detailed preparation guidelines.

3e 1 Exterior Waterborne

Resene Enamacryl (see Data Sheet D309) and Resene Lustacryl (see Data Sheet D310) may be used in areas traditionally reserved for solventborne paints. Resene Enamacryl and Resene Lustacryl are non-yellowing, fast drying, block and grease resistant and low in odour compared to their solventborne counterparts. For better hiding, Resene Acrylic Undercoat (see Data Sheet D404) tinted to the correct colour may replace one of the topcoats. Clear finishes for exterior timber environments are generally not recommended.

Exterior Timber Joinery

Doors and Windows
For Cedar see 8e

For Matai and Totara see 9e

Gen	eric Spec	ification		Resene	R	esene One-Line S	pecification	
Substrate	Environ- ment	Paint Type	Gloss Level	Spec No.	Surface Prep	1st Coat	2nd Coat	3rd Coat
Timber Joinery etc.	Exterior	Waterborne	Gloss	3e 1.1	D82 & TimberLock D48	NRS: Quick Dry D45 TTS: Wood Primer D40	Enamacryl D309 Acrylic Undercoat D404	Enamacryl D309
Timber Joinery etc.	Exterior	Waterborne	Semi- Gloss	3e 1.2	D82 & TimberLock D48	NRS: Quick Dry D45 TTS: Wood Primer D40	Lustacryl D310 Acrylic Undercoat D404	Lustacryl D310

3e 2 Exterior Solventborne

All solventborne, air-drying enamels slowly embrittle with age and dark colours exposed to the sun accelerate this embrittlement. Windowsills angled in a manner to catch maximum sun provide the most stressful environment. Solventborne paints are suitable for all timber joinery including doors and windows. Pretreatment with Resene TimberLock (see Data Sheet D48) is highly beneficial, particularly on older doors and windows where joints may have opened slightly. Because doors tend to be people's first point of contact it is important an immaculate finish is achieved by using a high quality brush or roller. For better hiding, Resene Acrylic Undercoat tinted to the correct colour may replace one of the topcoats. Semi-gloss and flat solventborne paints do not have the necessary weather resistance for exterior exposure. Clear finishes for exterior timber environments are generally not recommended.

Generic Specification				Resene	Resene One-Line Specification					
Substrate	Environ- ment	Paint Type	Gloss Level	Spec No.	Surface Prep	1st Coat	2nd Coat	3rd Coat		
Timber Joinery etc.	Exterior	Solventborne	Gloss	3e 2.1	D82 & TimberLock D48	NRS: Quick Dry D45 SS: Wood Primer D40	Acrylic Undercoat D404	Super Gloss D32		

Key: NRS = Normal Recommended System

SS = Solvent System

TTS = Timber That Stains



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Substrate Characteristics

Timber is a dimensionally unstable material that expands and contracts with changing moisture content. Timber also provides a source of nutrient for mould growth.

Surface Preparation

New Work - see **Surface Preparation D82** for detailed preparation guidelines. Repaints - see **Surface Preparation D87** for detailed preparation guidelines.

3i 1 Interior Waterborne

Waterborne enamels Resene Enamacryl (see Data Sheet D309) and Resene Lustacryl (see Data Sheet D310) may be used in areas traditionally reserved for solventborne paints with the added benefits of non-yellowing, fast drying and low odour. Resene SpaceCote Low Sheen (see Data Sheet D311) is designed to bring enamel-style toughness to broadwall areas in a low sheen finish without sacrificing durability. It is so adaptable that it may also be used on interior and exterior joinery and trim. For better hiding, Resene Acrylic Undercoat (see Data Sheet D404) tinted to the correct colour may replace one of the topcoats. Use Resene Wood Primer (see Data Sheet D40) when a staining type of timber is present.

Interior Timber Joinery

Cupboards, Doors, Shelves and Windows etc

For Matai and Totara see 9i

Gen	eric Spec	ification	1	Resene	Resene One-Line Specification						
Substrate	Environ- ment	Paint Type	Gloss Level	Spec No.	Surface Prep	1st Coat		2nd Coat		3rd Coat	
Timber Joinery etc.	Interior	Waterborne	Gloss	3i 1.1	D82 & TimberLock D48	NRS: Quick Dry TTS: Wood Primer POV: WB Smooth S.S.	D45 D40 D47a	Enamacryl Acrylic Undercoat	D309 D404	Enamacryl D309	
Timber Joinery etc.	Interior	Waterborne	Semi- Gloss	3i 1.2	D82 & TimberLock D48	NRS: Quick Dry TTS: Wood Primer POV: WB Smooth S.S.	D45 D40 D47a	Lustacryl Acrylic Undercoat	D310 D404	Lustacryl D310	
Timber Joinery etc.	Interior	Waterborne	Low Sheen	3i 1.4	D82 & TimberLock D48	NRS: Quick Dry TTS: Wood Primer POV: WB Smooth S.S.	D45 D40 D47a	SpaceCote Low Sheen Acrylic Undercoat	D311 D404	SpaceCote Low Sheen D311	
Timber Joinery etc.	Interior	Waterborne	Flat	3i 1.5	D82 & TimberLock D48	NRS: Quick Dry TTS: Wood Primer POV: WB Smooth S.S.	D45 D40 D47a	SpaceCote Flat Acrylic Undercoat	D314 D404	SpaceCote Flat D314	

3i 2 Interior Solventborne

Although higher gloss levels are harder wearing than semi-gloss and flat solventborne finishes, they will highlight surface imperfections. Pretreatment with Resene TimberLock (see Data Sheet D48) is recommended for timber in wet areas, such as in bathrooms, laundries and on windowsills, where condensation occurs. All solventborne, air-drying enamels yellow somewhat in the absence of light, most noticeably in cupboards and behind pictures. Exposure to light bleaches out the yellow. For better hiding, Resene Acrylic Undercoat tinted to the correct colour may replace one of the topcoats.

Gen	eric Spec	ification		Resene	Resene One-Line Specification					
Substrate	Environ- ment	Paint Type	Gloss Level	Spec No.	Surface Prep	1st Coat	2nd Coat	3rd Coat		
Timber Joinery etc.	Interior	Solventborne	Gloss	3i 2.1	D82 & TimberLock D48	NRS: Quick Dry D45 POV: WB Smooth S.S. D47a	Acrylic Undercoat D404	Super Gloss D32		
Timber Joinery etc.	Interior	Solventborne	Semi- Gloss	3i 2.2	D82 & TimberLock D48	NRS: Quick Dry D45 POV: WB Smooth S.S. D47a	Lusta-Glo D33 Acrylic Undercoat D404	Lusta-Glo D33		
Timber Joinery etc.	Interior	Solventborne	Flat	3i 2.5	D82 & TimberLock D48	NRS: Quick Dry D45 POV: WB Smooth S.S. D47a	Flatcote D306 Acrylic Undercoat D404	Flatcote D306		

Key: NRS = Normal Recommended System

POV = Painting Over Varnish

SS = Solvent System

TTS = Timber That Stains



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Substrate Characteristics

Timber is a dimensionally unstable material that expands and contracts with changing moisture content. Timber also provides a source of nutrient for mould growth.

Surface Preparation

New Work - see **Surface Preparation D82** for detailed preparation guidelines. Repaints - see **Surface Preparation D87** for detailed preparation guidelines.

3i 3 Interior Waterborne

For a stained finish use Resene Waterborne Colorwood (see Data Sheet D50a), reduced if necessary to the desired finish with Resene Waterborne Colorwood Reducing Base. For a natural finish, the colour of the timber is enhanced by the application of Resene Waterborne Colorwood Reducing Base. Follow this with three coats of Resene Aquaclear (see Data Sheet D59). Ensure sharp edges and rough profiles are rounded before painting to promote good film build. All unsealed cracks and end grains, such as under doors, must be sealed to prevent isolated blistering caused by moisture penetration.

Interior Stains and Clear Finishes on Timber Joinery

Cupboards, Doors, Shelves and Windows etc

For Matai and Totara see 9e/i

Gene	ric Spec	ification	1	Resene	Resene One-Line Specification						
Substrate	Environ- ment	Paint Type	Gloss Level	Spec No.	Surfac Prep	e 1st Coat	2nd Coat	3rd Coat	4th Coat	5th Coat optional	
Timber Joinery etc.	Interior	Waterborne	Gloss	3i 3.1	D82	SF: Waterborne Colorwood D50a CF: Waterborne Colorwood Reducing Base D50a (optional)	Aquaclear D59	Aquaclear D59	Aquaclear D59	Aquaclear D59	
Timber Joinery etc.	Interior	Waterborne	Semi- Gloss	3i 3.2	D82	SF: Waterborne Colorwood D50a CF: Waterborne Colorwood Reducing Base D50a (optional)	Aquaclear D59	Aquaclear D59	Aquaclear D59	Aquaclear D59	
Timber Joinery etc.	Interior	Waterborne	Satin	3i 3.3	D82	SF: Waterborne Colorwood D50a CF: Waterborne Colorwood Reducing Base D50a (optional)	Aquaclear D59	Aquaclear D59	Aquaclear D59	Aquaclear D59	

3i 4 Interior Solventborne

For a stained finish use Resene Waterborne Colorwood, reduced if necessary to the desired colour with Resene Waterborne Colorwood Reducing Base. For a natural finish, the colour of the timber is enhanced by the application of Resene Waterborne Colorwood Reducing Base. Follow this with three coats from the Resene Qristal Clear polyurethane range (see <u>Data Sheet D52</u>). Ensure sharp edges and rough profiles are rounded before painting to promote good film build. All unsealed cracks and end grains, such as under doors, <u>must</u> be sealed to prevent isolated blistering caused by moisture penetration.

Gene	Generic Specification Resene						Resene One-Line Specification						
Substrate	Environ- ment	Paint Type	Gloss Level	Spec No.	Surface 1st Prep Coat				2nd Coat	3rd Coat	4th Coat		
Timber Joinery etc.	Interior	Solventborne	Gloss	3i 4.1	D82	CF: V	WB Colorwood WB Colorwood Reducing Base (optional)		Poly-Flat D52	Poly-Gloss D52	Poly-Gloss D52		
						HDF:	<u>Polythane</u>	<u>D53</u>	Polythane D53	Polythane D53	Polythane D53		
Timber Joinery etc.	Interior	Solventborne	Satin	3i 4.3	D82	CF: V	WB Colorwood WB Colorwood Reducing Base (optional)		Poly-Flat D52	Poly-Satin D52	Poly-Satin D52		
Joiner, etc.							Aquaclear	D59	Poly-Satin D52] .			
		Solventborne		3i 4.5	1		WB Colorwood	D50a]			
Timber Joinery etc.	Interior		Flat		D82	F	WB Colorwood Reducing Base (optional)	D50a	Poly-Flat D52	Poly-Flat D52	Poly-Flat D52		
						PBO: A	Aquaclear	D59 _]	<u>.</u>			