

the paint the professionals use

7e

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

Although non-ferrous metals do not rust as quickly as ferrous metals, they do corrode when exposed to the atmosphere, forming oxides and carbonate layers. In some instances these may be protective, but often impair adhesion of subsequent coatings. The corrosion and chemical resistance of each of these metals is unique and care should be taken when specifying them. Contact between dissimilar metals may result in extreme corrosion, such as copper pipes on zinc roofs.

Surface Preparation

New Work - see **Surface Preparation D89** for detailed preparation guidelines. Repaints - see **Surface Preparation D87** for detailed preparation guidelines.

7e 1 Exterior Waterborne

Achieving good adhesion presents the greatest difficulty with coating non-ferrous metals, especially when the surfaces are very smooth or when oxides have formed. Surface preparation and primer are therefore critically important.

Exterior Non-Ferrous Metals

Aluminium, Brass, Bronze, Copper, Lead, Stainless Steel and Zinc

General specification guidelines for painting non-ferrous metals in non-demanding environments

For demanding and aggressive exterior environments, see the Resene Engineered Coating Systems Manual or contact Resene

Ge	neric Spe	ecification	1	Resene	Resene One-Line Specification				
Substrate	Environ- ment	Paint Type	Gloss Level	Spec No.	Surface Prep	1st Coat	2nd Coat	3rd Coat	
Non-Ferrous Metals	Exterior	Waterborne	Gloss	7e 1.1	D89	NRS: Vinyl Etch RA31 WNW: Galvo-Prime D402 WUG: Galvo One D41	Hi-Glo * D31	Hi-Glo *	
Non-Ferrous Metals	Exterior	Waterborne	Semi- Gloss	7e 1.2	D89	NRS: Vinyl Etch RA31 WNW: Galvo-Prime D402 WUG: Galvo One D41	Sonyx 101 * D30	Sonyx 101 * D30	
Non-Ferrous Metals	Exterior	Waterborne	Satin	7e 1.3	D89	NRS: Vinyl Etch RA31 WNW: Galvo-Prime D402 WUG: Galvo One D41	Lumbersider D34	Lumbersider D34	

* For doors, windows and joinery, use Resene Enamacryl (see Data Sheet D309) in place of Resene Hi-Glo (see Data Sheet D31) and use Resene Lustacryl (see Data Sheet D310) in place of Resene Sonyx 101 (see Data Sheet D30).

7e 2 Exterior Solventborne

Achieving good adhesion presents the greatest difficulty with coating non-ferrous metals, especially when the surfaces are very smooth or when oxides have formed. Surface preparation and primer are therefore critically important. Resene Galvo-Prime (see Data Sheet D402) is not recommended under solventborne topcoats. Semi-gloss and flat solventborne paints do not have the necessary weather resistance for exterior exposure. Drying times of solventborne paints may be extended when applied directly over Resene Vinyl Etch (see Data Sheet RA31). For better hiding, Resene Acrylic Undercoat (see Data Sheet D404) tinted to the correct colour may replace one of the topcoats.

Gei	neric Spe	cification		Resene	Resene One-Line Specification					
Substrate	Environ- ment	Paint Type	Gloss Level	Spec No.	Surface Prep	1st Coat	2nd Coat	3rd Coat		
Non-Ferrous Metals	Exterior	Solventborne	Gloss	7e 2.1	D89	NRS: Vinyl Etch RA31 HDF: Vinyl Etch RA31 WUG: Galvo One D41	Acrylic Undercoat Uracryl 403	D404 Super Gloss D32 RA56 Uracryl 403 RA56		
Non-Ferrous Metals	Exterior	Solventborne	Semi- Gloss	7e 2.2	D89	HDF: Vinyl Etch RA31 WUG: Galvo One D41	Uracryl 402	RA55 Uracryl 402 RA55		
Non-Ferrous Metals	Exterior	Solventborne	Low Sheen	7e 2.4	D89	HDF: Vinyl Etch RA31 WUG: Galvo One D41	Uracryl 404	RA59 Uracryl 404 RA59		

Key: HDF = Heavy Duty Finish

NRS = Normal Recommended System

WNW = Waterborne, New Work

WUG = Weathered Unpainted Galvanising



the paint the professionals use

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

Although non-ferrous metals do not rust as quickly as ferrous metals they do corrode when exposed to the atmosphere, forming oxides and carbonate layers. In some instances, these may be protective, but often impair adhesion of subsequent coatings. The corrosion and chemical resistance of each of these metals is unique and care should be taken when specifying them.

Surface Preparation

New Work - see Surface Preparation D89 for detailed preparation guidelines. Repaints - see Surface Preparation D87 for detailed preparation guidelines.

7i 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 enamels with the added benefits of non-yellowing, fast drying and low odour.

Interior Non-Ferrous Metals

Aluminium, Brass, Bronze, Copper, Lead, Stainless Steel and Zinc

General specification guidelines for painting non-ferrous metals in non-demanding environments

For demanding and aggressive interior environments, see the Resene Engineered Coating Systems Manual or contact Resene

Generic Specification				Resene	Resene One-Line Specification					
Substrate	Environ- ment	Paint Type	Gloss Level	Spec No.	Surface Prep	1st Coat	2nd Coat	3rd Coat		
Non-Ferrous Metals	Interior	Waterborne	Gloss	7i 1.1	D89	NRS: Vinyl Etch RA31 WNW: Galvo-Prime D402	Enamacryl D309	Enamacryl D309		
Non-Ferrous Metals	Interior	Waterborne	Semi- Gloss	7i 1.2	D89	NRS: Vinyl Etch RA31 WNW: Galvo-Prime D402	Lustacryl D310	Lustacryl D310		

7i 2 Interior Solventborne

Achieving good adhesion presents the greatest difficulty with non-ferrous metals, especially when the surfaces are very smooth or when oxides have formed. Surface preparation and primer are therefore critically important. Resene Galvo-Prime (see Data Sheet D402) is not recommended under solventborne topcoats. Drying times of solventborne paints may be extended when applied directly over Resene Vinyl Etch (see Data Sheet RA31).

Generic Specification				Resene	Resene One-Line Specification					
Substrate	Environ- ment	Paint Type	Gloss Level	Spec No.	Surface Prep	1st Coat	2nd Coat	3rd Coat	4th Coat optional	
Non-Ferrous Metals	Interior	Solventborne	Gloss	7i 2.1	D89	Vinyl Etch RA31	Acrylic Undercoat D404	Super Gloss D32	Super Gloss D32	
Non-Ferrous Metals	Interior	Solventborne	Semi- Gloss	7i 2.2	D89	Vinyl Etch RA31	Acrylic Undercoat D404	Lusta-Glo D33	Lusta-Glo D33	
Non-Ferrous Metals	Interior	Solventborne	Flat	7i 2.5	D89	Vinyl Etch RA31	Acrylic Undercoat D404	Flatcote D306	Flatcote D306	

Key: NRS = Normal Recommended System WNW = Waterborne, New Work