Exterior Glass Acrylic Sheeting (Perspex)*, Glass Reinforced Epoxy (GRE), Glass Reinforced Polyester (GRP), Polycarbonate*, Polystyrene* and Unplasticised PVC*

Substrate Characteristics

These building plastics may be directly overcoated with good quality adhesion promoted waterborne finishes. The thermoplastic materials are sensitive to solvents and may soften under the influence of heat. Dark colours should be avoided to prevent warping.

Surface Preparation

New Work - see **Surface Preparation D803** for detailed preparation guidelines.
Repaints - see **Surface Preparation D87** for detailed preparation guidelines.

12e 1 Exterior Waterborne

Waterborne paints are most suitable for exterior applications being more durable and flexible than solventborne paints. For better hiding, Resene Acrylic Undercoat (see Data Sheet D404) tinted to the correct colour may replace one of the topcoats.

Generic Specification				Resene Spec No.	Resene One-Line Specification					
Substrate	Environment	Paint Type	Gloss Level		Surface Prep	1st Coat		2nd Coat	
Unplasticised PVC etc.	Exterior	Waterborne	Gloss	12e 1.1	D803	Hi-Glo Acrylic Undercoat	D31 D404	Hi-Glo	D31
Unplasticised PVC etc.	Exterior	Waterborne	Semi-Gloss	12e 1.2	D803	Sonyx 101 Acrylic Undercoat	D30 D404	Sonyx 101	D30
Unplasticised PVC etc.	Exterior	Waterborne	Satin	12e 1.3	D803	Lumbersider Acrylic Undercoat	D34 D404	Lumbersider	D34

12e 2 Exterior Solventborne (except thermoplastics)

Surfaces may be cleaned by light sanding. All solventborne finishes slowly embrittle with age and dark colours exposed to the sun accelerate this embrittlement. Dark colours should therefore be avoided. Semi-gloss and flat solventborne paints do not have the necessary weather resistance for exterior exposure. For better hiding, Resene Acrylic Undercoat tinted to the correct colour may replace one of the topcoats.

Generic Specification				Resene Spec No.	Resene One-Line Specification							
Substrate	Environment	Paint Type	Gloss Level		Surface Prep	1st Coat		2nd Coat		3rd Coat	
GRP & GRE only	Exterior	Solventborne	Gloss	12e 2.1	D803	WB Smooth S.S. D47a		Acrylic Undercoat D404		Super Gloss D32	

* = Thermoplastic Substrata

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Interior Glass Acrylic Sheeting (Perspex)*, Glass Reinforced Epoxy (GRE), Glass Reinforced Polyester (GRP), Polycarbonate*, Polystyrene* and Unplasticised PVC*

Substrate Characteristics

These building plastics may be directly overcoated with good quality adhesion promoted acrylics. The thermoplastic materials are sensitive to solvents and may soften under the influence of heat.

Surface Preparation

New Work - see **Surface Preparation D803** for detailed preparation guidelines.
Repaints - see **Surface Preparation D87** for detailed preparation guidelines.

12i 1 Interior Waterborne

Waterborne enamels Resene Enamacryl (see Data Sheet D309), Resene Lustacryl (see Data Sheet D310) and Resene SpaceCote Low sheen (see Data Sheet D311) may be used in areas traditionally reserved for solventborne paints with the added benefits of non-yellowing, fast drying and low odour. For better hiding, Resene Acrylic Undercoat (see Data Sheet D404) tinted to the correct colour may replace one of the topcoats.

Generic Specification				Resene Spec No.	Resene One-Line Specification					
Substrate	Environment	Paint Type	Gloss Level		Surface Prep	1st Coat		2nd Coat	
Unplasticised PVC etc.	Interior	Waterborne	Gloss	12i 1.1	D803	Enamacryl Acrylic Undercoat	D309 D404	Enamacryl	D309
Unplasticised PVC etc.	Interior	Waterborne	Semi-Gloss	12i 1.2	D803	Lustacryl Acrylic Undercoat	D310 D404	Lustacryl	D310
Unplasticised PVC etc.	Interior	Waterborne	Satin	12i 1.3	D803	Lumbersider Acrylic Undercoat	D34 D404	Lumbersider	D34
Unplasticised PVC etc.	Interior	Waterborne	Low Sheen	12i 1.4ZS	D803	Zylone Sheen Acrylic Undercoat	D302 D404	Zylone Sheen	D302
Unplasticised PVC etc.	Interior	Waterborne	Low Sheen	12i 1.4SC	D803	SpaceCote Low Sheen Acrylic Undercoat	D311 D404	SpaceCote Low Sheen	D311
Unplasticised PVC etc.	Interior	Waterborne	Flat	12i 1.5	D803	Zylone 20 Acrylic Undercoat	D37 D404	Zylone 20	D37
Unplasticised PVC etc.	Interior	Waterborne	Flat	12i 1.5SC	D803	SpaceCote Flat Acrylic Undercoat	D314 D404	SpaceCote Flat	D314

12i 2 Interior Solventborne (except thermoplastics)

All solventborne, air-drying enamels yellow somewhat in the absence of light as exposure to light bleaches out the yellow. Solventborne paints are harder and more cleanable than waterborne paints making them preferable coatings for interior specification. For better hiding, Resene Acrylic Undercoat tinted to the correct colour may replace one of the topcoats.

Generic Specification				Resene Spec No.	Resene One-Line Specification							
Substrate	Environment	Paint Type	Gloss Level		Surface Prep	1st Coat		2nd Coat		3rd Coat	
GRP & GRE only	Interior	Solventborne	Gloss	12i 2.1	D803	WB Smooth S.S. D47a		Acrylic Undercoat	D404	Super Gloss D32	
GRP & GRE only	Interior	Solventborne	Semi-Gloss	12i 2.2	D803	WB Smooth S.S. D47a		Lusta-Glo Acrylic Undercoat	D33 D404	Lusta-Glo D33	
GRP & GRE only	Interior	Solventborne	Flat	12i 2.5	D803	WB Smooth S.S. D47a		Flatcote Acrylic Undercoat	D306 D404	Flatcote D306	

* = Thermoplastic Substrata

If in doubt about any aspect of your specification please contact Resene.

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