

Substrate Characteristics

Brick and terracotta are very stable materials and generally only require cleaning prior to painting. Old bricks that have been damaged by constant exposure to frosts may have a weakened surface and will require a penetrative primer/sealer. The mortar between bricks will also weaken considerably with ageing.

Surface Preparation

New Work - see [Surface Preparation D802](#) for detailed preparation guidelines.
Repaints - see [Surface Preparation D87](#) for detailed preparation guidelines.

13e 1 Exterior Waterborne

Terracotta roof tiles often develop moss and lichen that must be treated. Resene Sureseal (see [Data Sheet D42](#)) is recommended on surfaces that have been exposed to weathering or where a water resistant primer is required. 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	3rd Coat		
Brick etc.	Exterior	Waterborne	Gloss	13e 1.1	D802	DS: Hi-Glo D31 SSP: Acrylic Undercoat D404 PCS: Sureseal D42	Hi-Glo D31 Hi-Glo D31 Acrylic Undercoat D404	- Hi-Glo D31		
Brick etc.	Exterior	Waterborne	Semi-Gloss			13e 1.2	D802	DS: Sonyx 101 D30 SSP: Acrylic Undercoat D404 PCS: Sureseal D42	Sonyx 101 D30 Soyx 101 D30 Acrylic Undercoat D404	- Sonyx 101 D30
Brick etc.	Exterior	Waterborne	Satin					13e 1.3	D802	DS: Lumbersider D34 SSP: Acrylic Undercoat D404 PCS: Sureseal D42

13e 2 Exterior Solventborne

Because of their lower exterior durability, solventborne paints are not recommended on exterior roofs. Terracotta often develops growths of moss and lichen that must be treated. Resene Sureseal is recommended on surfaces that have been exposed to weathering or where a water resistant primer is required. For better hiding, Resene Acrylic Undercoat tinted to the correct colour may replace one of the topcoats. For solventborne systems, any mortar must be allowed to age for at least three months before painting. Semi-gloss and flat solventborne paints do not have the necessary weather resistance for exterior exposure.

Generic Specification				Resene Spec No.	Resene One-Line Specification			
Substrate	Environment	Paint Type	Gloss Level		Surface Prep	1st Coat	2nd Coat	3rd Coat
Brick etc.	Exterior	Solventborne	Gloss	13e 2.1	D802	SSP: Quick Dry D45 ES: Sureseal D42	Acrylic Undercoat D404	Super Gloss D32

Key: DS = Direct to Substrate ES = Eroded Surface PCS = Plaster Contaminated System SSP = Sound Surface for Painting

Exterior Brick and Terracotta

including Terracotta Roofs

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

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Surface Preparation

New Work - see [Surface Preparation D802](#) for detailed preparation guidelines.

Repaints - see [Surface Preparation D87](#) for detailed preparation guidelines.

13i 1 Interior Waterborne

Some brick walls that have been stripped of old plaster to become a feature require the remnants of plaster to be bound back by a penetrative primer/sealer; Resene Sureseal (see [Data Sheet D42](#)) is recommended. For better hiding, Resene Acrylic Undercoat (see [Data Sheet D404](#)) tinted to the correct colour may replace one of the topcoats. 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.

Interior Brick and Terracotta

Generic Specification				Resene Spec No.	Resene One-Line Specification			
Substrate	Environment	Paint Type	Gloss Level		Surface Prep	1st Coat	2nd Coat	3rd Coat
Brick etc.	Interior	Waterborne	Gloss	13i 1.1	D802	DS: Enamacryl D309 SSP: Acrylic Undercoat D404 PCS: Sureseal D42	Enamacryl D309 Acrylic Undercoat D404 Enamacryl D309	– Enamacryl D309
Brick etc.	Interior	Waterborne	Semi-Gloss	13i 1.2	D802	DS: Lustacryl D310 SSP: Acrylic Undercoat D404 PCS: Sureseal D42	Lustacryl D310 Acrylic Undercoat D404 Lustacryl D310	– Lustacryl D310
Brick etc.	Interior	Waterborne	Satin	13i 1.3	D802	DS: Lumbersider D34 SSP: Acrylic Undercoat D404 PCS: Sureseal D42	Lumbersider D34 Acrylic Undercoat D404 Lumbersider D34	– Lumbersider D34
Brick etc.	Interior	Waterborne	Low Sheen	13i 1.4^{ZS}	D802	DS: Zylone Sheen D302 SSP: Acrylic Undercoat D404 PCS: Sureseal D42	Zylone Sheen D302 Acrylic Undercoat D404 Zylone Sheen D302	– Zylone Sheen D302
Brick etc.	Interior	Waterborne	Low Sheen	13i 1.4^{SC}	D802	DS: SpaceCote Low Sheen D311 SSP: Acrylic Undercoat D404 PCS: Sureseal D42	SpaceCote Low Sheen D311 Acrylic Undercoat D404 SpaceCote Low Sheen D311	– SpaceCote Low Sheen D311
Brick etc.	Interior	Waterborne	Flat	13i 1.5	D802	DS: Zylone 20 D37 SSP: Acrylic Undercoat D404 PCS: Sureseal D42	Zylone 20 D37 Acrylic Undercoat D404 Zylone 20 D37	– Zylone 20 D37
Brick etc.	Interior	Waterborne	Flat	13i 1.5^{SC}	D802	DS: SpaceCote Flat D314 SSP: Acrylic Undercoat D404 PCS: Sureseal D42	SpaceCote Flat D314 Acrylic Undercoat D404 SpaceCote Flat D314	– SpaceCote Flat D314

Key: DS = Direct to Substrate PCS = Plaster Contaminated Surface SSP = Sound Surface for Painting

13i 2 Exterior Solventborne

Some brick walls that have been stripped of old plaster to become a feature require the remnants of plaster to be bound back by a penetrative primer/sealer; Resene Sureseal (see [Data Sheet D42](#)) is recommended. For better hiding, Resene Acrylic Undercoat (see [Data Sheet D404](#)) tinted to the correct colour may replace one of the topcoats. For solventborne systems, any mortar must be allowed to age for at least three months before painting.

Generic Specification				Resene Spec No.	Resene One-Line Specification			
Substrate	Environment	Paint Type	Gloss Level		Surface Prep	1st Coat	2nd Coat	3rd Coat
Brick etc.	Interior	Solventborne	Gloss	13i 2.1	D802	SSP: Acrylic Undercoat D404	Super Gloss D32	-
						PCS: Sureseal D42	Acrylic Undercoat D404	Super Gloss D32
Brick etc.	Interior	Solventborne	Semi-Gloss	13i 2.2	D802	DS: Lusta-Glo D33	Lusta-Glo D33	-
						SSP: Acrylic Undercoat D404	Acrylic Undercoat D404	Lusta-Glo D33
				PCS: Sureseal D42		Lusta-Glo D33		
Brick etc.	Interior	Solventborne	Flat	13i 2.5	D802	DS: Flatcote D306	Flatcote D306	-
						SSP: Acrylic Undercoat D404	Acrylic Undercoat D404	Flatcote D306
				PCS: Sureseal D42		Flatcote D306		

Key: DS = Direct to Substrate PCS = Plaster Contaminated Surface SSP = Sound Surface for Painting

Substrate Characteristics

Brick and terracotta are very stable materials and generally only require cleaning before painting. Old bricks that have been damaged by constant exposure to frosts may have a weakened surface and will require a penetrative primer/sealer. The mortar between bricks will also weaken considerably with ageing.

Surface Preparation

New Work - see [Surface Preparation D802](#) for detailed preparation guidelines.
Repaints - see [Surface Preparation D87](#) for detailed preparation guidelines.

13e/i 3 Exterior/Interior Waterborne

Some brick walls that have been stripped of old plaster to become a feature require the remnants of plaster to be removed before painting. Of the two waterborne interior gloss systems, Resene Aquaclear (see [Data Sheet D59](#)) is harder and offers better dirt and stain resistance than Resene Multishield+ (see [Data Sheet D54a](#)), making it preferable in demanding environments such as a brick fireplace. Do not use a roller when applying waterborne clears as they tend to foam. If efflorescence is suspected use Resene Aquapel (see [Data Sheet D65](#)) to prevent it being transferred through the paint system.

Exterior/ Interior Clears on Brick and Terracotta

Generic Specification				Resene Spec No.	Resene One-Line Specification			
Substrate	Environment	Paint Type	Gloss Level		Surface Prep	1st Coat	2nd Coat	3rd Coat
Brick etc.	Exterior/ Interior	Waterborne	Gloss	13e/i 3.1	D802 SE: Aquapel D65	IO: Aquaclear D59 EI: Multishield+ D54a	Aquaclear D59 Multishield+ D54a	Aquaclear D59 Multishield+ D54a
Brick etc.	Interior	Waterborne	Semi-Gloss	13i 3.2	D802 SE: Aquapel D65	Aquaclear D59	Aquaclear D59	Aquaclear D59
Brick etc.	Interior	Waterborne	Satin	13i 3.3	D802 SE: Aquapel D65	Aquaclear D59 Multishield+ D54a	Aquaclear D59 Multishield+ D54a	Aquaclear D59 Multishield+ D54a
Brick etc.	Interior	Waterborne	Flat	13i 3.5	D802 SE: Aquapel D65	Multishield+ D54a	Multishield+ D54a	Multishield+ D54a

13e/i 4 Exterior/Interior Solventborne

Solventborne paints are not recommended on exterior roofs because of their lower exterior durability. Terracotta tiles often develop growths of moss and lichen that must be treated. For solventborne systems, any mortar must be allowed to age for at least three months before painting. If film forming systems such as Resene F.10 Glaze (see [Data Sheet D56](#)) or Resene Uracryl (see [Data Sheets RA55](#) and [RA56](#)) are to be used, ensure there is no likelihood of efflorescence occurring. Resene Aquapel has very good efflorescence resistance and will maintain the natural look of brick and terracotta.

Generic Specification				Resene Spec No.	Resene One-Line Specification			
Substrate	Environment	Paint Type	Gloss Level		Surface Prep	1st Coat	2nd Coat	3rd Coat
Brick etc.	Exterior/ Interior	Solventborne	Gloss	13e/i 4.1	D802 SE: Aquapel D65	NRS: F.10 Glaze D56 HDS: Uracryl 403 RA56	F.10 Glaze D56 Uracryl 403 RA56	F.10 Glaze D56 Uracryl 403 RA56
Brick etc.	Exterior/ Interior	Solventborne	Semi-Gloss	13e/i 4.2	D802 SE: Aquapel D65	HDS: Uracryl 402 RA55	Uracryl 402 RA55	Uracryl 402 RA55
Brick etc.	Exterior/ Interior	Solventborne	Flat	13e/i 4.5	D802	PS: Aquapel D65	Aquapel D65	Aquapel D65

Key: EI = Exterior/Interior HDS = Heavy Duty System IO = Interior Only NRS = Normal Recommended System PS = Penetrating System
SE = Surface with Suspected Efflorescence