

# DuSpec Specification Sheet

High Build Render-Lath levelling and Texture System for :

## DINCEL CONSTRUCTION SYSTEM



### Substrate:

DINCEL CONSTRUCTION SYSTEM is a PVC lost formwork system used as load bearing external wall solutions for both residential & commercial construction.

Panel alignment is critical in all lost formwork systems and will determine the degree of levelling required for finishing systems.

Dulux does NOT recommend high build (greater than 4mm) or cement render systems applied direct directly without mechanical fixing and reinforcement

Where finished core filled formwork aligns providing a true and level surface refer to :

Dulux AcraTex Coating System for Dincel Building System (Duspec DCS LB-1, Low Build, non-reinforced Acrylic System providing 1-3mm levelling capacity)

**Where finished core filled formwork alignment is NOT true and level, a high-build reinforced and mechanically fixed RENDER-LATH levelling and coating system is required as detailed in this specification.**

### Substrate Preparation:

Frame detail and panel fixing must comply with relevant building codes and be in strict accordance with substrate manufactures instructions & recommendations.

Dulux AcraTex recommends suitable expansion/contraction relief joints be installed in through the Reinforced render system at (max) 3m height & 6m wide intervals and at building weak points eg in line with openings (window / doors), at all horizontal multi-levels, and at all interfaces of different building construction materials.

All fixings must be non-corrosive, suitable for the exposure condition and be in accordance with substrate supplier recommendations.

Remove all surface contaminants such as oil, grease or dirt, concrete laitance by high-pressure detergent washing and rinse thoroughly with fresh potable water. Repeat until the surface is clean. Ensure the substrate is completely dry before applying any coatings system.

### Mechanical Reinforcement (Galvanised metal Lath)

Component	Grade	Installation	Fixing Type	Max spacing
<i>refer component supplier for product and performance details</i>				
External Render Angles Perforated 10mm Stop bead	Rondo SR03 Rondo ER11	Fix to core filled DCS panel at 330 mm centres <sup>(1)</sup> to form all edge and control jointing detail.	Direct Fix power fixing / washer	330 mm
Expanded Metal mesh (Rendering Lath)	Lockers E2 12mm Galvabond Lath 25x10 Mesh aperture 1.06 Kg/m <sup>2</sup> (min)	Fix to core filled DCS pace at 330 mm centres <sup>(1)</sup> Ensure Sheet edges extend under the "short leg" of the Perforated Stop bead. Ensure Sheet overlap of 20mm (min.)	Powers Fasteners Trak-It, 55022 19mm Pin 55040 Lathing washer	330 mm

<sup>(1)</sup> IMPORTANT FIXING NOTE:

Fixing centres must align to the solid masonry core and NOT be fixed into formwork voids.  
Prepare a formwork template and locate SOLID masonry core fixing points :  
nominally at 30mm, 150mm, 270mm past the (male) form overlap edges (for standard 365 span forms)

Project	SEANNA Developments : Eastern Creek, NSW			Duspec	High Build Render-Lath levelling and Texture System for : DINCEL CONSTRUCTION SYSTEM		
Project ID	Principle			Duspec no.	DCS HB-1	Page no.	1 of 2
Issue	Prepared By			Issue	1	Prepared By	I.Schultz
Date	Approved By			Date	24.11.2007	Approved By	I.Schultz

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### Coating System:

RENDER	Duspec	AcraBond Addition	Cover mm	Spread Rate <sup>(3)</sup> kg dry / m <sup>2</sup>	Recoat <sup>(4)</sup>
<b>RENDER BASECOAT</b> DULUX REORENDER HIGH BUILD <sup>(2)</sup>  Apply by hawk and trowel or render pump into pre-fixed mechanical lath to cover and embed lathing mesh and fixing legs of stop beads and corner angles. Finish by notch trowel to provide key for following Render layer	RRH-1	4:1 Water : AcraBond In gauging liquid	11 (8mm Render)	13.6	
<b>RENDER FINISHCOAT</b> DULUX REORENDER HIGH BUILD <sup>(2)</sup>  Apply by hawk and trowel or render pump over Base Coat application. Screed level across pre-fixed stop bead – corner angles allowing for subsequent 1mm Texture Coat to final bead height. Finish by polystyrene float to suitable level finish for subsequent Texture Coating.	RRH-1	8:1 Water : AcraBond In gauging liquid	5	8.5	
COATING	Duspec	WFT (microns)	DFT (microns)	Coverage L / m <sup>2</sup>	Recoat
<b>PRIMER</b> DULUX AcraPrime 501/1 <sup>(2)</sup> Nap roller	DA0441	100	20	10	1 hour
<b>TEXTURE COAT</b> DULUX AcraTex 951 Trowel On Coventry Coarse <sup>(2)</sup> Steel Trowel / Plastic float	DA1065	1250	900	0.8	24 hours
<b>SHIELDCOAT (1st coat)</b> DULUX AcraTex 955 AcraShield Matt <sup>(2)</sup> Nap roller	DA0432	170	75	6	24 hours
<b>SHIELDCOAT (2<sup>nd</sup> coat)</b> DULUX AcraTex 955 AcraShield Matt <sup>(2)</sup> Nap roller	DA0432	170	75	6	
<sup>(2)</sup> Refer relevant Product and application data for full product detail <sup>(3)</sup> Practical Spreading Rate will vary from the Theoretical Spreading Rate due to factors such as method and condition of application and surface roughness. <sup>(4)</sup> Recoat times are quoted for 25°C and 50% Relative Humidity, these may vary under different conditions					

### Important Notes:

Coatings should be applied in full accordance with relative product Technical and Applicational data sheets.

Dulux accepts no liability for joint cracking or joint deformation, as control of structural movement is beyond the scope of a coating specification.

This specification assumes component suitability – refer component supplier for full product and performance details.

The specified Texture coating system does not provide corrosion resistance, and attention must be given to ensure all factory installed corrosion inhibiting systems of components are not damaged through installation.

Do not apply paint if Relative Humidity is above 85% or temperature is within 3C of Dew Point, or the surface temperature is greater than 50C or below 10C, or likely to fall below 10C during the drying period

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