



# DuSpec Specification Sheet

## DULUX Mesh Reinforced Basecoat & Texture for Expanded PolyStyrene (EPS) Surfaces

### Substrate :

Expanded Polystyrene (EPS) paneling is available in a wide range of thickness and sizes, consult with suppliers and install in strict accordance with Manufacture's External Insulated & Finishing System (EIFS) instructions and recommendations.

This coating specification does not constitute Dulux endorsement of any walling or cladding system or the suitability of building envelope / building system to meet the specific requirements of a given project.

Users of this specification will satisfy themselves of the suitability of this specification / advice, relevant to their specific project requirements. In all cases Building System Design must conform to relevant Local / Building Codes or regulations and be in accordance with substrate supplier's recommendations. Users must make their own determinations as to the suitability of this material relevant to specific requirements.

### Substrate Preparation:

Base Sheet will be installed and fixed in accordance with Substrate Supplier's fixing and installation guidelines, including weather management systems (flashing & cavity) and be approved and certified to Local Building Codes or other local regulations. All fixings will be non-corrosive and suitable for the exposure location. Raw sheet surface will NOT be left exposed to degrade causing the surface to discolour, harden or change surface properties. Application surfaces will be abraded or profiled to provide mechanical key for maximum adhesion and de-dust. Remove all surface contaminants such as oil, grease or dirt: Wash and/or Broom / Scrape down to remove all contaminants and friable surface materials.

RenderWall P300/P400 adheres strongly to suitably prepared **Expanded Polystyrene (EPS)**

RenderWall P300/P400 will be applied direct and in full contact with the surface – DO NOT apply mesh to EPS surface. Reinforcement Mesh is to be embedded (sandwiched) between the first and second 'wet on wet' layers of RenderWall P300/P400. Minimum Mesh Embedment layer will be 4mm. A subsequent levelling coat of P300/P400 is applied and made level prior to the application of the Acrylic Texture Coatings system.

### Expansion Joints:

Good building practice provides for expansion joints at (max.) 3m height & 6m wide intervals and at all building weak points eg in line with openings (window / doors), horizontally between floor levels, and at all interfaces of different building construction materials and/or as defined by the responsible Building Engineer.

The placement and correct installation of control joints is the responsibility of the Building Engineer / Builder relative to the construction design.

### Reinforcement Mesh:

Reinforcement Mesh will be installed as per approved and certified Building System requirements including, where specified, the installation of additional strips across joints, external and internal corners, edge reveals, and at diagonals across corners of all window and door openings

Refer Manufactures Technical Data for full design specification, reinforcement detail, panel fixing and jointing adhesive recommendations.

As a guide Reinforcement Mesh must be suitably accredited Alkali Resistant Fibreglass with a nominal 4-5mm X 4-5mm weave and a mass weight of not less than 165 gsm/M2. All reinforcing mesh is overlapped by a minimum of 100mm on installation.

### Caution on Dark Colours:

Avoid the finishing of EIFS Claddings with dark colours - these will raise the surface temperature of the EPS or XPS and damage the cladding system. Use colours with a LRV greater than 35% or consult Dulux on the potential to use InfraCOOL Heat Reflective Coatings that will keep the surface cooler.

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Issue	V1	Prepared By	SL	Issue	3	Prepared By	Shane Langkilde
Date		Approved By	JD	Date	12/01/2011	Approved By	John Dimoglidis

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# DuSpec Specification Sheet

## DULUX Mesh Reinforced Basecoat & Texture System for Expanded PolyStyrene (EPS) Surfaces

### Coating System:

Reinforcing & Levelling Process	Data Sheet	Base Layer	Min. Cover
<p><b><u>BASE COAT ADHESIVE LAYER</u></b></p> <p><b>DULUX AcraTex RenderWall P300/P400</b></p> <p>In a clean 15 litre pail add 2.5 litres of clean water slowly add RenderWall P300 while stirring till a cream trowelable paste is formed.</p> <p>Apply the basecoat layer of Renderwall P300/P400 by stainless steel trowel to fully cover the EPS surface with a 2-3 mm (min.) basecoat - immediately followed by the installation of the Reinforcing mesh to the WET surface of the basecoat Renderwall P300/P400 as below defined.</p>	DA1596	<b>RenderWall P300/P400</b>	<b>2 -3mm wet on wet</b>
<p><b><u>REINFORCEMENT MESH (encapsulation) LAYER</u></b></p> <p><b>DULUX AcraTex Renderwall P300 /P400</b></p> <p>Into the 'wet' freshly applied RenderWall P300/P400 basecoat layer install reinforcing mesh (as specified by substrate manufacturer's Technical Specification). Once mesh is installed and overlapped by min of 100mm on all edged immediately apply additional P300/P400 basecoat mixture to completed cover and encapsulate the mesh with a minimum of 2mm cover. Do not push the mesh to the surface the cladding.</p> <p>Finish the base coat layer by lightly scratching the surface to provide a surface "key" for subsequent levelling coats</p> <p><b><u>ADDITIONAL IMPACT RESISTANCE</u></b> <i>Where additional impact resistance is require apply and embed an additional reinforcement mesh layer as specified or directed</i></p>	Data Sheet	Reinforcement mesh	Min. Cover
	DA1596	<b>RenderWall P300/P400+ Alkali resistant Fibre Glass mesh 165 gm weight (minimum.) 4.5 x 4.5 mm aperture</b>	<b>2 mm 16 hours</b>
<p><b><u>LEVELLING RENDERWALL LAYER</u></b></p> <p><b>DULUX AcraTex RenderWall P300/P400</b></p> <p>Add RenderWall P300 /P400 to fresh water to form trowelable paste. Apply by hawk and trowel or render pump over the basecoat application. Screed and float level Finish by polystyrene or wood float to a suitable level finish for subsequent Texture Coating</p>	Data Sheet	Levelling Layer	Min. Cover
	DA1596	<b>RenderWall P300/P400</b>	<b>3mm 16 hours</b>

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The data provided within the DuSpec system is correct at the time of publication, however it is the responsibility of those using this information to check that it is current prior to specifying or using any of these coating systems. This specification should be read in conjunction with the Product Datasheets specified within this document. "Dulux" "Berger" "Berger Gold Label" "Hadrian" "Walpamur" "Levene" "AcraTex" are registered trademarks of DuluxGroup Pty Ltd ABN . 67 000 049 427



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### Coating System:

TEXTURE COATING SYSTEM	Data Sheet.	Application rate	Recoat
<b>PRIME COAT :</b> <b>DULUX AcraTex – AcraPrime 501/1 L/Shade 194-20809</b> The use of AcraPrime consolidates and conditions the surface and enhances subsequent coating application and total system durability. Apply by conventional roller method evenly over the surface	DA0441	10 sq m per litre	4 hours
<b>TEXTURE COAT: -</b> <b>NB Texture colour must have a LRV greater than 35%</b> <b>DULUX AcraTex – Coventry Coarse L/Shade 194-85753</b> Apply with Hawk & Trowel evenly over surface to the thickness of the largest particles. Follow up with a light 'floating' process to level out the product using red plastic trowel/float.	DA1065	0.8 sq m2 per litre	16 hours
<b>FINISH SHIELD COATS :</b> <b>NB AcraShield colour must have a LRV greater than 35%</b> <b>DULUX AcraTex AcraShield Matt HB L/Shade 194-51950 (V.W.)</b> Apply with 2 coats of AcraShield with a medium nap roller over the surface ensuring a wet edge is maintained over the application area.  <i>Whilst one coat over EPS Cladding may provide adequate protection and resistance to the elements, Dulux recommends 2 coats applications for even coverage to minimising "cutting in" and "lap mark" effects. Where 2 coats are applied, dilute the first coat with 10% water.</i>	DA1409	4-5 m2 per Litre per Coat	Protect from rain in first 6 hours

### Important Notes:

Dulux Coatings should be applied in full accordance with relative Dulux Product Technical and Application data sheets. Do not apply materials if the air temperature is below 10C or above 30C (or likely to fall below 10C, or if Rain is expected during the drying period), or where Relative Humidity is above 85% or where temperature is within 3C of Dew Point (refer standard Dew Point calculations relevant to prevailing temp and R.H. conditions).

This specification assumes the substrate and building system to be fit for purpose and that end users satisfy themselves of the suitability of specification advice relevant to their specific requirements. Dulux accepts no liability for building system durability, substrate deformation, cracking or joint deformation. In all cladding systems Dulux recommends end users seek specific design advice relevant to building moisture management including cavity drainage design relevant to the structural design, façade exposure and project location.

Dark colours increase expansion/contraction of a substrate due to heat absorbed and should be avoided in critical situations  
 - Typically, colours with LRV (Light Reflectance Value) >35% are specified.

This coating specification does not constitute Dulux endorsement of any building system or the suitability of any building system specific to project requirements and as such is out side the scope of this specification.

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