

## NZDU00570 Dulux Quantum Clearcoat Gloss on Painted Masonry [Exterior]

### Scope of Works

Quantum Clear Coat is a premium quality, full gloss two-pack acrylic polyurethane. Quantum Clear Coat has been designed for superior weathering and gloss retention, while displaying the advantage of being recoatable with minimal surface preparation. Quantum Clear Coat, when fully cured, exhibits excellent graffiti resistance. This specification is designed as a anti graffiti system for newly painted surfaces. The newly painted surface must be left to cure for a minimum of 10 days before application of Quantum Clear Coat. ANTI GRAFFITI OVER NEWLY PAINTED - 2 PACK CLEAR GLOSS Gloss level: Gloss Coating type: Two pack solvent based acrylic clear polyurethane

### Substrate and Substrate Preparation

#### Substrate Notes

This is a generic masonry and cementitious substrate. It includes concrete block substrates. The following substrates are excluded: Precast, Tilt-up and Off-form, Concrete Flooring, Roof Tiles and Cement Render. Other specialty masonry or cementitious substrates may also not be covered by this substrate.

#### BRICK

Bricks are predominantly kiln-fired clay, which can be glazed or unglazed. The glazing on glazed bricks should be ground or scabbled to improve adhesion of the coating system. Brickwork is often raked, so rendering requires much more material than face-laid brickwork. The surface must be clean and sound, free of dirt, grime, mould, fungus, stains, powdery mortar smears and all other contaminants. The surface should be examined to determine if it has been laid to specification (flush jointed or face laid) and that the surface variation is within acceptable tolerances. If applying a texture coating, the degree to which the texture coating camouflages flush walls depends on how flush the substrate has been constructed.

#### BLOCKWORK

Blockwork is largely cement based and highly porous, and usually flush-laid. The surface should be examined to determine if it has been laid to specification (flush jointed or face laid) and that the surface variation is within acceptable tolerances. The degree to which texture coatings camouflage flush walls depends on how flush the substrate has been constructed.

#### AUTOCLAVED AERATED CONCRETE (AAC)

AAC is manufactured from sand, lime and cement, to which is added water and aluminium paste. After mixing, the cement slurry is poured into moulds. The aluminium paste reacts with the alkaline elements in the mixture and forms hydrogen gas. This liberated gas expands the mixture forming extremely small finely dispersed air spaces. The product is removed from the mould after a few hours, cut to the required dimension and finally cured under pressure in a steam autoclave.

AAC Block Wall Systems are (typically) load-bearing external wall solutions for homes as an alternative to traditional double brick construction. Blocks are glued together (thin bed) using AAC Manufacturer's adhesive to a design standard of providing a level, fully filled joint.

AAC Panel is (typically) a 50 or 75mm panel of Autoclaved Aerated Concrete (AAC) with corrosion protected steel reinforcement embedded during production. This lightweight, yet solid masonry panel is designed for external cladding in timber or steel frame construction. Panels are glued together (thin bed) using AAC Manufacturer's adhesive to a design standard of providing a level, fully filled joint.

#### Substrate Preparation Notes

##### ASSESS SUITABILITY

Inspect to determine the degree of deterioration of existing coatings. Identification of the existing coating is also very helpful in determining the repaint system. Check coating adhesion using the cross-cut adhesion test, carried out in various locations.

##### REMOVE SURFACE CONTAMINANTS

Clean to remove all dirt, dust, efflorescence, laitance, powdery surfaces, mould and all other surface contaminants by using a suitable cleaning agent, such as Dulux Prep Wash and rinsing/water blasting clean with water. Water blasting will also give a good indication as to the coatings integrity. Efflorescence may also be removed with an acid treatment, followed by washing down the surface with water.

##### REPAIR SURFACE IMPERFECTIONS

Prepare all areas that have poor adhesion, cracking, peeling and flaking by sanding, power sanding, scraping, wire brushing, grit blasting, burning off or chemical stripping as appropriate, to leave a clean surface. Feather edges of the surrounding sound paint to completely remove visual ridges and wash/dust off to remove debris. Any major design faults leading to structural failure must be corrected prior to repainting. Use an acrylic based patching compound with the addition of 10-20% fresh Portland cement to patch any surface defects.

##### SANDING

Sand the entire cleaned coating to an even flat gloss level to provide a smooth, even surface and to provide a good key for the new coating system to adhere to. Ensure all sanding dust is removed prior to continuing.

##### PRIME

Spot prime any exposed areas with a suitable water based primer. If a specialized, penetrating solvent based primer is required, use Dulux AcraTex 501/2 AcraPrime solvent based primer.

##### ADDITIONAL NOTES:

- Ensure all previously painted enamel finishes are thoroughly abraded to ensure adequate adhesion of subsequent coating system.

### Coating System Summary

- 1st Coat Dulux Quantum Clearcoat Gloss

### Coating System

#### 1st Coat — Dulux Quantum Clearcoat Gloss

Coat Type  
**1st Coat**

Datasheet  
**NZDU00525 Dulux Quantum Clearcoat Gloss**

Read the full Datasheet details at [Dulux Quantum Clearcoat Gloss](#)

#### Application Methods



**Airless Spray**

	Min	Max	Recommended
Theoretical Spread Rate (m <sup>2</sup> /L)	<input type="text"/>	<input type="text"/>	<b>9.5</b>
Wet Film Per Coat (microns)	<input type="text"/>	<input type="text"/>	<b>100</b>
Dry Film Per Coat (microns)	<input type="text"/>	<input type="text"/>	<b>45</b>
Recoat Time **	<b>7 Hours</b>	<b>Indefinite</b>	<input type="text"/>

Meets ECNZ V.O.C. Requirements?  
**Not Applicable**

#### Coating System Notes

\* Theoretical Coverage is the area is the area covered by 1 Litre of material at the speciification 'Dry Film Thickness' without a loss to a smooth and non porous surface.

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**WHERE LEAD MAY BE PRESENT:** The asset manager is responsible for verifying the presence of lead and determining whether to remove or encapsulate the lead. If lead is present, the work must be done in strict accordance with AS/ NZS 4361 Parts 1 and 2 and Worksafe Australia or New Zealand guidelines.