

## NZDU00524 Dulux Quantum FX Gloss

### Description and Image

QUANTUM is a premium quality, full gloss two-pack metallic polyurethane.

### Features and Benefits

- Outstanding weathering and chemical resistance
- Excellent application properties
- Tintable metallic range
- Two finishes available - fine and coarse metallic
- Excellent gloss
- Good spray application
- Range of brilliant modern colours

### Uses


QUANTUM FX is a premium quality, gloss, metallic, two-pack acrylic polyurethane that offers a range of brilliant modern tinted colours. Designed for locations requiring visual impact, whilst maintaining aesthetics, it achieves amazing results through two finishes - fine and coarse metallic. QUANTUM FX has been designed for superior weathering and gloss retention, while displaying the advantage of being recoatable with minimal surface preparation. Ideal for almost any substrate and situation, QUANTUM FX will compliment structures such as awnings, cafes, bridgework, sporting and shopping complexes, lifts and furniture.

### Precautions and Limitations

This is an industrial product designed for use by experienced Protective Coating applicators. Where conditions may require variation from the recommendations on this Product Data Sheet contact your nearest Dulux representative for advice prior to painting. Do not apply in conditions outside the parameters stated in this document without the express written consent of Dulux Australia. Freshly mixed material must not be added to material that has been mixed for some time. The rate of cure is dependent upon temperature. Do not apply at temperatures below 10°C. Do not apply at relative humidity above 85% or when the surface is less than 3°C above the dewpoint. Ensure that you read and understand the safety precautions on the Material Safety Data Sheets for the two components before using. The recommended thinner MUST be used as some solvents react with the isocyanate hardener seriously degrading the life of the coating. Under no circumstances should water or non-recommended thinner be allowed to contaminate the product. Colour and appearance are dependent on thinning levels, film build, application method and technique. Control of these parameters is especially important when coatings are used on cladding. Do not use this product for this application without reference to a Dulux Protective Coatings representative. For the same tint formula there will be a difference in colour between the Fine and Coarse metallic finishes. This is due to the different sized aluminium flakes reflecting a different amount of light making the colour appear darker or lighter. In hot conditions use PROTHINNER 800 (965-63023) for improved flow and to reduce dry spray.

### Performance Guide

Weather <b>Excellent gloss and colour retention on exterior exposure.</b>	Salt <b>Unaffected by splash and spillage of most salt solutions.</b>
Heat Resistance <b>Up to 120°C dry heat.</b>	Water <b>Excellent resistance to fresh and salt water but not suitable for immersion.</b>
Solvent <b>Unaffected by splash and spillage of common alcohols, aliphatic and aromatic hydrocarbons, esters and ketones.</b>	
Acid <b>Suitable for splash and spillage exposure to most acids.</b>	Alkali <b>Good resistance to splash and spillage of most common alkalis.</b>

Typical Properties			
Gloss Level <b>Gloss</b>		Thinner <b>965-63023 Prothinner 800</b>	
Colour <b>Selected tinted metallic colours.</b>			
Components <b>2</b>			
Mixing Ratio <b>Part A : 3 Part B:1</b>			
Pot Life <b>2 Hours</b>			
Clean Up Description Clean up Prothinner 800			
Application Methods  <b>Airless Spray</b>			
Application Conditions		Solids by Volume	
		<input type="text" value="45"/>	
	Min	Max	Recommended
Wet Film Per Coat (microns)	<input type="text"/>	<input type="text"/>	<input type="text" value="120"/>
Dry Film Per Coat (microns)	<input type="text"/>	<input type="text"/>	<input type="text" value="55"/>
Recoat Time (min/hours)	<input type="text" value="7 Hours"/>	<input type="text" value="Indefinite"/>	<input type="text"/>
Theoretical Spread Rate (m²/L)	<input type="text"/>	<input type="text"/>	<input type="text" value="8.2"/>
Health and Safety			
<p>Using Safety Precautions</p> <p>Use with good ventilation and avoid inhalation of spray mists and fumes. If risk of inhalation of spray mists exists, wear a positive-pressure, air-supplied respirator. When spray painting, users should comply with the provisions of the respective State Spray Painting Regulations.</p>			
<p><b>Please refer to SDS Link. In case of emergency, please call 0800 220 770.</b></p>			

Transport and Storage	
UN Number	<b>1263</b>
Dangerous Goods Class	<b>3</b>
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Unless Dulux has provided you with a customised, project-specific specification, this Data Sheet does not represent that any particular product or product system will be suitable for your project.

Any information provided in this Data Sheet is given in good faith and is believed by Dulux to be correct at the time of publication. Products and coating systems can be expected to perform as indicated in this Data Sheet, provided the substrate is in good condition, the coatings are applied by a suitably experienced and skilled applicator, and the preparation, application and maintenance is followed strictly as set out in this Data Sheet, and as recommended on the applicable Safety Data Sheets for the relevant products, available from [www.duspecplus.co.nz](http://www.duspecplus.co.nz). Climatic conditions at application time can affect product suitability and performance.

The correct colour or colour match is the responsibility of the applicator. Colours will change over time and Dulux does not guarantee that the same colour newly mixed will match a colour applied earlier which has been subjected to weathering or other change elements. No product colour is guaranteed against colour change.

Where any liability of Dulux in respect of this Data Sheet cannot by law be excluded, Dulux's liability is limited, as permitted by law and at Dulux's option, to resupply of the relevant products or services or to reimbursing the cost of those products or services.

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.