

NZDU00525 Dulux Quantum Clearcoat Gloss

Description and Image

QUANTUM is a premium quality, full gloss two-pack acrylic polyurethane. QUANTUM has been designed for superior weathering and gloss retention, while displaying the advantage of being recoatable with minimal surface preparation.

Features and Benefits

- Outstanding weathering and chemical resistance
- Excellent application properties.
- Graffiti resistance.
- High gloss clear
- Longer life in harsher environments
- Easy to apply
- Good cleanup

Uses

Ideal for almost any substrate and situation, and when used in conjunction with QUANTUM FX will compliment structures such as awnings, cafes, bridgework, sporting and shopping complexes, lifts and furniture. QUANTUM, when fully cured, exhibits excellent graffiti resistance.

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 New Zealand. 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. In hot conditions use Dulux Prothinner 800 for improved flow and to reduce dry spray.

Performance Guide

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

Typical Properties

Gloss Level
HIGH GLOSS

Thinner
965-63023 Prothinner 800

Colour
Clear

Components
2

Mixing Ratio
3:1 by volume

Pot Life
2 Hours

Clean Up Description
Clean up Prothinner 800

Application Methods



Airless Spray

Application Conditions

Solids by Volume

43

Min

Max

Recommended

Wet Film Per Coat (microns)

100

Dry Film Per Coat (microns)

45

Recoat Time (min/hours)

7 Hours

Indefinite

Theoretical Spread Rate (m²/L)

9.5

Health and Safety

Using Safety Precautions

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.

Please refer to SDS Link. In case of emergency, please call 0800 220 770.

Transport and Storage	
UN Number	1263
Dangerous Goods Class	3
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Dangerous Goods Class	3

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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. 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.