

NZDU00535 Dulux Duration® T80 Fluorinated Polymer

Description and Image

DURATION® T80 is a premium, two-component, water borne, fluorinated polymer finish that demonstrates excellent gloss and colour retention and is designed for applications where extended service periods are required. This is delivered via a system with a very low VOC content of only 23 grams per litre.

Features and Benefits

- EXCELLENT UV RESISTANCE AND GLOSS RETENTION
- VERY SHORT RECOAT TIME WHEN APPLYING WET ON WET
- VERY LOW VOC & LOW ODOUR
- TINTABLE – AVAILABLE IN OVER 5,000 COLOURS
- VERY GOOD ANTI GRAFFITI PROPERTIES

Uses

DURATION® T80 is formulated to be used as part of complete DURATION® water borne protective coatings system for steel that is subject to sheltered or mild (C1-C3) corrosive environments including residential and commercial construction, hospitals, warehouses, schools, shopping centres and factories.

DURATION® T80 can also be used directly over Dulux® solvent borne epoxy primers, universal primers, epoxy intermediates and to aged, tightly adhering coatings subject to necessary solvent resistance tests and appropriate surface preparation.

Precautions and Limitations

This is an industrial product designed for use by experienced Coating applicators. Where conditions may require variation from the recommendations on this Product Data Sheet contact your nearest Dulux® Consultant for advice prior to painting. Do not apply in conditions outside the parameters stated in this document without the written consent of Dulux® Australia. Do not use any product past its pot life. Product past its pot life may still appear fit for use but will develop substantially reduced gloss and may develop brittleness. 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, or where the surface temperature is below 10°C. Do not apply at relative humidity above 85% or when the surface is less than 3°C above the dewpoint. Ensure you read and understand the safety precautions on the Material Safety Data Sheets for the two components before using. You should only thin the mixed product with potable water. Do not add water to the PART B, isocyanate component.

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	Abrasion Good when fully cured
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
Gloss and Satin

Thinner
Brush/Spray: Potable Water

Colour
Extensive range of colours using the Dulux Authentic Colour® Low VOC Tint System.

Components
2

Shelf Life
2 Years

Mixing Ratio
Part A : 5; Part B : 1

Pot Life
1 hour (4 litre kit, 25°C)

Clean Up Description
Clean all equipment with clean warm water immediately after use followed by DULUX® EPOXY THINNER (920-08925).

Application Methods

 **Air Spray**  **Airless Spray**  **Brush**  **Roller**

Application Conditions

Solids by Volume

40

Wet Film Per Coat (microns)

Min

120

Max

190

Recommended

120

Dry Film Per Coat (microns)

50

75

50

Recoat Time (min/hours)

1440

4320

1440

Theoretical Spread Rate (m²/L)

8

5.33

8

Typical Property Notes

DRYING CHARACTERISTICS AT 50 µm DRY FILM THICKNESS

SPREADING RATE (ASSUMING NO LOSSES): 8.0 square metres per litre equals 50 µm dry film thickness.

NOTE: Practical spreading rates will vary depending on such factors as colour, application method, ambient conditions and surface porosity and roughness.

These figures are a guide only, as ventilation, film thickness, humidity, thinning and other factors will influence the rate of drying.

1 The product can also be applied wet on wet, see the Application section for further advice.

2 If the maximum overcoat interval is exceeded then the surface MUST be abraded to ensure maximum intercoat adhesion.

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 combined organic vapour/particulate respirator. When spraying, users must comply with their respective State Spray Painting Regulations.

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

Transport and Storage	
UN Number	N/A
Dangerous Goods Class	Non Dangerous Goods
UN Number	N/A
Dangerous Goods Class	Non Dangerous Goods

Disclaimer

This Data Sheet is copyright to DuluxGroup (Australia) Pty Ltd and/or DuluxGroup (New Zealand) Pty Ltd (collectively, 'Dulux'). It may not be varied or altered without the prior written consent of Dulux, and if it is, Dulux has no responsibility or liability for those variations.

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.