

NZDU00488 Dulux Duremax GPE Semi Gloss

Description and Image

DULUX DUREMAX GPE is a general purpose epoxy coating.

Features and Benefits

- Excellent Durability
- Excellent Resistance to Hot Water
- Ease of Application
- Suitable for a wide range of environments
- Suitable for hot water (up to 80°C) immersion
- Can be applied by brush, roller or spray methods

Uses

DUREMAX® GPE has been locally developed specially for Australasian conditions using the latest epoxy technology. It is a general-purpose epoxy coating used on steel, galvanising and concrete. DUREMAX® GPE is a high performance coating for the protection of structures exposed to severe environments such as chemical plants, offshore platforms, refineries, shiploaders, coal wash plants etc. Untinted DUREMAX® GPE is suitable for fresh and salt-water immersion except when cured with Quickturn™ hardener. It is compatible over inorganic zinc and epoxy primers and can be topcoated with a wide range of coating types.

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. Do not apply at temperatures below 10°C when using Standard hardener or 5°C when using Fast Cure or Quickturn™ hardener. In hot weather use Dulux Prothinner 400 for improved flow. Do not apply at relative humidity above 85% or when the surface is less than 3°C above the dewpoint. Do not use Quickturn™ hardener for immersion conditions. When used for immersion conditions the maximum overcoat interval is 3 days. The coating MUST be fully cured and solvent free prior to being placed under immersion conditions. For best results in water immersion conditions replace Dulux Prothinner with Dulux CR Reducer (965-63020). Do NOT use as a primer over galvanised steel when using Fast Cure hardener as delamination can occur. Use of fast or low temperature hardeners may result in increased yellowing and a reduction of gloss level.

Performance Guide

Weather Epoxy coatings may yellow with time. On exterior exposure some chalking may also occur. This will not detract from the protective properties of the coating. Use a weatherable topcoat if required for appearance.	Salt Excellent resistance to neutral and alkali salts.
Heat Resistance Up to 120°C dry heat.	Water Excellent resistance to fresh and salt water. Tinted colours are not recommended for immersion.
Solvent Resists splash/spillage of most hydrocarbon solvents, ref.petroleum products and common alcohols.	Abrasion Good when fully cured.
Acid White and colours are suitable for splash and spillage of mild acids.	Alkali Suitable for splash and spillage of strong alkali.

Typical Properties

Gloss Level
Semi Gloss

Thinner
Prothinner 400 (965-63021)

Colour
White, Black, MIO, selected factory made colours and a range of tinted colours.

Components
2

Shelf Life
12 months minimum @ 25°C

Mixing Ratio
4 pt A : 1 pt B by volume

Pot Life
3-4 hours @ 25°C

Clean Up Description
Clean all equipment with Prothinner 400 (965-63021) immediately after use.

Application Methods



Air Spray



Airless Spray



Brush



Roller

Application Conditions

Solids by Volume

72

Min

Max

Recommended

Wet Film Per Coat (microns)

175

Dry Film Per Coat (microns)

125

Recoat Time (min/hours)

8 Hours

4 Weeks*

Theoretical Spread Rate (m²/L)

5.8

Health and Safety

Using Safety Precautions

For detailed information refer to the product label and the current Material Safety Data Sheet available through Dulux Sales and Customer Service offices.

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

Transport and Storage	
UN Number	1263
Dangerous Goods Class	3b
UN Number	2734
Dangerous Goods Class	8

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.