

NZDU00482 Dulux Durebild® STE Semi Gloss

Introduction

Approvals
APAS 2977

Description and Image

Surface Tolerant High Build High Solids Epoxy Coating

Features and Benefits

- Superior Surface Wetting Prop.
- High Build Barrier Coating
- Excellent Brush/Roller Application
- High Degree of Surface Tolerance
- Suitable for surfaces where only minimal surface prep is possible
- Extended corrosion protection
- Ideal maintenance coating
- Can be applied over a wide range of well adhered, aged coatings

Uses

DUREBILD® STE has been developed specifically for New Zealand conditions using the latest epoxy technology. It is principally used as a high performance maintenance coating over hand, power tool or high-pressure water cleaned surfaces where blasting is impractical or not allowed. This coating can also be used for new work and where required as an intermediate coat. Untinted DUREBILD® STE is ideal for fresh and salt-water immersion over abrasive blast cleaned steel. It provides excellent protection against the splash and spillage of a wide range of chemicals. DUREBILD® STE can be topcoated with a wide range of coating types and is available with a cold cure hardener that is bloom free. Tested in accordance with AS4548.5 Appendix C & D for use as a concrete anti-carbonation coating system when used with Weathermax® HBR.

Precautions and Limitations

This is an industrial product designed for use by experienced Protective Coatings 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. Do not apply at temperatures below 10°C when using Standard hardener or below 5°C when using Cold Cure hardener. Do not apply at relative humidity above 85% or when the surface is less than 3°C above the dewpoint. When used with a white or pastel colour the Cold Cure hardener will impart a yellow tone that will darken with time. When used for immersion conditions the maximum overcoat interval is 3 days at 25°C. The coating MUST be fully cured and solvent free prior to being placed under immersion conditions. Do not use as a primer over galvanised steel when using Cold Cure hardener as delamination can occur. Use of fast or low temperature hardeners may result in increased yellowing and a reduction of gloss level. Note the Aluminium finish is not a decorative coating and colour variations will occur due to different application techniques. Aluminium containing colours are not recommended for acid and alkaline conditions.

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 (except Aluminium).
Heat Resistance Up to 120°C dry heat.	Water Excellent in fresh/salt water immersion. Tinted colours & Aluminium 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/Colours are suitable for splash/spillage of mild acids. Aluminium not recommended for acid.	Alkali Suitable for splash and spillage of strong alkalis. Do not use Aluminium in alkali conditions.

Typical Properties

Gloss Level Semi Gloss	Thinner Prothinner 400
Colour White, Selected factory made colours and a full range of tinted colours.	
Components 2	
Shelf Life 12 months minimum @ 25C	
Mixing Ratio 4 pt A : 1 pt B by volume	
Pot Life 90 minutes @ 25°C	
Clean Up Description Prothinner 400 (965-63021)	
Application Methods  Air Spray  Airless Spray  Brush  Roller	

Application Conditions	Solids by Volume		
	84		
	Min	Max	Recommended
Wet Film Per Coat (microns)			150
Dry Film Per Coat (microns)			125
Recoat Time (min/hours)	14 Hours	4 Weeks*	
Theoretical Spread Rate (m ² /L)			6.7

Health and Safety

Using Safety Precautions

For detailed information refer to the Product Data Sheet, and the Material Safety Data Sheet available from 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

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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.