

Dulux Powder Coatings Durepoxy® Matt

AUDP1571

Product Code	938 Line
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Description
<p>Previously known as DULUX Durepoxy®</p> <p>Durepoxy® is an epoxy powder coating with a high flow finish suitable for a wide range of interior applications.</p> <p>Durepoxy® is easy to apply to many substrates, and results in a film with exceptional resistance to wear, damage and corrosion.</p>

Features And Benefits
<ul style="list-style-type: none"> ▪ Film integrity ▪ Excellent surface hardness ▪ No solvents or emissions ▪ Very good flow ▪ Good chemical resistance <ul style="list-style-type: none"> ▪ Long intact life of coating ▪ Hard wearing/serviceable finish ▪ Less waste and pollution to the environment ▪ Excellent for bathroom fittings, appliances ▪ Resists oil and general chemical spills

Uses
<p>Durepoxy® has a wide range of applications over various substrates including steel and aluminium.</p> <p>Examples include: bathroom fittings, tapware, interior joinery components, computer equipment, electrical equipment, shelving, white goods, office equipment and automotive components.</p>

Precautions And Limitations
<ul style="list-style-type: none"> - As a result of possible wide application variations and stoving conditions, Durepoxy® may show variation between Dulux Powder Coatings prepared samples and production applied material. Therefore, it is the applicator and/or their customer's responsibility to ensure the product conforms to their requirements. - For optimum corrosion performance ensure recommended dry film thickness is obtained. - Not recommended for use in highly corrosive environments such as severe marine or industrial locations. - Not recommended for exterior applications.

Performance Guide			
Exterior Durability	Durepoxy® is not recommended for exterior use. It contains epoxy which will chalk on exterior exposure.	Salt	Very good salt spray resistance. 2 - 3mm adhesion loss at scribe after 250 hours salt spray on steel.
Heat Resistance	Excellent resistance to 100°C continuous service conditions.	Water	Excellent resistance to 38°C/100% humidity for 250 hours on steel or chromated aluminium.
Abrasion	Excellent resistance to abrasion.	Acid	Resistant to spills of dilute acid.
Alkali	Resistant to spills of dilute alkali.		

Typical Properties			
Gloss Level	5 - 98% at 60°, as required	Coverage	
Shelf Life	12 months when stored below 30°C/dry conditions	Colour	A range of made to order colour available.
Meets GBCA VOC Requirement?	Yes. Dulux Powder Coatings: <ul style="list-style-type: none"> • Contain no harmful volatile organic solvents • Free of heavy metal pigments such as lead, cadmium, arsenic & mercury • Proven low temperature curing technology • Produced with stringent Safety, Health & Environmental policies and standards • Developed with consideration of life cycle analysis, to guide our suppliers and the materials we use • Manufactured in facilities where significant energy and resources employed in production, are measured with aggressive reduction targets in place • Produced and used with minimal waste Consequently, Dulux® Powder Coatings are a prime consideration for projects where air quality standards have been set, such as 4, 5 & 6 Green Star Rating Projects.		
Clean Up	Dust or vacuum loose powder. Avoid use of compressed air.	Specific Gravity	1.65 @ colour
Flexibility	Pass 80 inch/lb	Pencil Hardness	Min 3H
Cross Hatch Adhesion	No removal		
Cure Schedule	Metal Temperature (°C) 190	Time (minutes) 10 minutes	Comments

Application Guide	
Surface Preparation	<ul style="list-style-type: none"> • All surfaces should be degreased and pre-treated for optimal performance. Suitable pre-treatment includes: Aluminium - Yellow chromate or green chromate/phosphate (refer AS3715-2002 and/or BS6496) Ferrous metals - Zinc phosphate or Iron phosphate (refer BS6497) Zinc Coated Metals (eg. galvanising) - Zinc phosphate or chromate (refer BS6497)
Application Procedure And Equipment	<ul style="list-style-type: none"> • 1a) For fluidised bed, ensure uniform fluidisation of powder. Fluidised powder should resemble "simmering liquid". Aged or compacted powder may require pre-conditioning for several minutes to fluidise evenly. • 1b) For box feeders, ensure probe is fully inserted in powder and operated as per manufacturer's recommendations. • 2. Apply by electrostatic spray. • 3. Cure as per recommendations outlined above. Also refer to curing schedule on box. • 4. Test for cure of the coating by contact with a drop of Corsol PGMA (available from Dulux Powder Coatings) for 30 seconds. Surface should be wiped dry and immediately checked for softening. Only slight surface softening should occur. • Electrostatic spray. • Theoretical spreading rate at recommended film thickness: A coverage rate of 8 - 10m²/kg is commonly experienced. Practical spreading rates will vary due to such factors as method and conditions of application and surface profile and texture.

Care And Maintenance
To maintain the attractive appearance of the Durepoxy® film, it should be regularly washed with warm water and mild liquid detergent, followed by a fresh water rinse. The use of abrasive cleaners is not recommended, nor is the use of active organic solvents.

Health And Safety			
MSDS Number	13542702	Safety Precautions	The MSDS is an integral part of using this product as it contains information on the potential health effect of exposure, personal protective equipment needed and other relevant SH&E information. For detailed information, refer to product label and the current Chemical Data Sheet (No. 13542702) available through Sales and Customer Service Offices. Australia: 13 24 99 New Zealand: 64 9 441 8244
In the case of emergency, please call 1800 033 111			

Transport And Storage

Package Weight	20 kg	Shipment Name	Not dangerous goods. No special transport requirements.
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