

## Dulux Enviropoxy WBE Semi Gloss





NZDI0913

Description
DULUX Enviropoxy WBE is a high performance water based acrylic epoxy topcoat that has been developed especially for Australasian conditions. It displays superior gloss retention and resistance to chalking and yellowing compared to traditional solvent based epoxies.

Features And Benefits	
<ul style="list-style-type: none"> <li>▪ Low odour</li> <li>▪ Good exterior durability</li> <li>▪ Improved application properties</li> <li>▪ Tintable</li> </ul>	<ul style="list-style-type: none"> <li>▪ Environmentally &amp; user friendly</li> <li>▪ Superior gloss /colour retention vs traditional solvent based epoxies.</li> <li>▪ Ease of application via brush, roller and spray methods</li> <li>▪ Available in an extensive range of pastel colours.</li> </ul>

Uses
ENVIROPOXY WBE, with its very low odour is ideal for use in areas such as treatment and operating rooms in hospitals, doors and door jambs in schools and commercial areas, wineries, pharmaceutical plants and the food and beverage industry.

Performance Guide			
<b>Weatherability</b>	Good gloss and colour retention on exterior exposure. Some colours may chalk on exterior exposure.	<b>Salts</b>	Excellent resistance to neutral, acid and alkali salts.
<b>Heat Resistance</b>	Up to 90C continuous dry heat. 120 Deg. C intermittent dry heat.	<b>Water</b>	Excellent resistance to fresh and salt water but not suitable for immersion.
<b>Solvents</b>	Resists most alcohols and cleaning solutions, however prolonged exposure must be avoided.	<b>Abrasion</b>	Good when fully cured.
<b>Acids</b>	Suitable for splash and spillage exposure to weak solutions of inorganic acids.	<b>Alkalis</b>	Excellent resistance to splash and spillage of weak solutions of most common alkalis.

Typical Properties			
<b>Finish</b>	Semi gloss	<b>Colour</b>	White, and a range of pastel colours using the Decorama tint system.
<b>Components</b>	2	<b>Flash Point</b>	WATER BASED
<b>Pot Life</b>	8 hours (4l, 25 Deg.C)	<b>Shelf Life</b>	12 months minimum @ 25C
<b>Mixing Ratio (V/V)</b>	9 pt A : 1 pt B by volume	<b>Thinner</b>	Water
<b>Suitable Substrates</b>	Suitably primed steel, aluminium, zinc coated steel, concrete, fibreglass or MDF.	<b>Line/Shade</b>	<ul style="list-style-type: none"> <li>▪ 714-84638 (Part A)</li> <li>▪ 976 84639 (Part B)</li> </ul>
<b>Primers</b>	DULUX® Acrylic Sealer Undercoat, DULUX® Acrylic Primer Undercoat, Two Pack Epoxy primers		
<b>Application Methods</b>	    Air Spray    Airless Spray    Brush    Roller		
<b>Application Conditions</b>		<b>Min</b>	<b>Max</b>
	<b>Air Temperature</b>	10	45
	<b>Substrate Surface Temperature</b>	10	45
	<b>Relative Humidity</b>	0	85
<b>Solids By Volume</b>	38		
	<b>Min</b>	<b>Max</b>	<b>Recommended</b>
<b>Wet Film Per Coat (microns)</b>			130
<b>Dry Film Per Coat (microns)</b>			50
<b>Recoat Time (min)</b>	4 Hours	4 Weeks	
<b>Theoretical Spread Rate (m<sup>2</sup>/L)</b>			7.6

Hardener Details						
Hardener Title						
	Coating Thickness (microns)			Application Conditions (°C)		
	Min	Max	Recommended	Min	Max	
Wet Film per Coat				Air Temp.		
Dry Film per Coat				Substrate Surface Temp.		
				Relative Humidity		
				Concrete Moisture Content		
Solids By Volume	V.O.C. Level <50g/L			Pot Life		
# Drying characteristics at 50 microns dry film thickness						
Temperature	Humidity	Touch	Handle	Full Cure	Recoat Min	Recoat Max
10 C	50%	1.5 Hours	8 Hours	7 Days	8 Hours	4 Weeks
15 C	50%	1 Hour	6 Hours	7 Days	6 Hours	4 Weeks
25 C	50%	30 Minutes	4 Hours	7 Days	4 Hours	4 Weeks
# TYPICAL SPREADING RATE AT RECOMMENDED DRY FILM BUILD				# A spreading rate of 7.6sq. meters per litre corresponds to 50 microns dry film thickness assuming no losses. Practical spreading rates will vary depending on such factors as method and condition of application and surface roughness		
Hardener Section Footer	# These figures are given as a guide only, as ventilation, film thickness, humidity, thinning and other factors will influence the rate of drying. To overcoat after the maximum time has elapsed, either with itself or with another product, may require the surface to be abraded in order to ensure adequate adhesion. * When used for immersion conditions the maximum overcoat interval is 3 days.					

Surface Preparation
It is recommended that specifiers follow the guidelines for surface preparation from the data sheet for the primer selected. The primer must be free from grease, oil, dirt and other loosely adhering materials.

Application Guide	
<b>Application Method</b>	Stir each can thoroughly until the contents are uniform. Use of a power mixer is recommended. Ensure bases have been tinted to the correct colour – DULUX ASSUMES NO RESPONSIBILITY FOR THE APPLICATION OF AN INCORRECT COLOUR. Mix the contents of both packs together thoroughly using a power mixer and allow to stand for 15 minutes. Box all containers before use to ensure colour consistency. Remix thoroughly before using.
<b>Brush/Roller</b>	Apply two even coats of the mixed material to the prepared surface. Up to 200ml/litre of clean potable water can be added to ease application. When brushing and rolling additional coats may be required to attain the specified thickness.
<b>Conventional Spray</b>	Prior to using the spray equipment, flush with Dulux Prothinner 400 followed by fresh warm water. Up to 200ml/litre of clean potable water can be added to ease application. Typical Set-up Graco Delta Gun: Pressure at Pot: Pressure at Gun: 1.8mm (239543) 70-100 kPa (10-15 p.s.i.) 380-415 kPa (55-60 p.s.i.)
<b>Airless Spray</b>	Standard airless spray equipment such as a Graco 30:1 President with a fluid tip of 17-21 thou (0.43-0.53mm) and an air supply capable of delivering 550-690 kPa (80-100 p.s.i.) at the pump. Up to 200ml/litre of clean potable water can be added to ease application.
<b>Precautions</b>	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.
<b>Clean Up</b>	Clean all equipment with warm water.

**Overcoating**

# Aged coating should be tested for lifting by a method suitable to the coating thickness, for example 'X' cut or crosshatch methods. If it lifts, remove it. The surface must be free of oil, grease and other contaminants.  
 If the coating has exceeded the maximum recoat interval then abrade the surface.  
 High-pressure water blast at 1,200 - 1,500 p.s.i. to remove loosely adhering chalk and dust.

**Health And Safety**

<b>Safety Precautions</b>	# Read Data Sheet, Material Safety Data Sheet and any precautionary labels on containers.
<b>Storage</b>	Store in well ventilated area away from sources of heat or ignition. Keep containers closed at all times.
<b>Handling</b>	As with any chemical injestion, inhalation and prolonged or repeated skin contact should be avoided by good occupational work practice. Eye protection approved to AS 1337 should be worn where there is a risk of splashes entering the eyes. Always wash hands before smoking, eating, drinking or using the toilet.
<b>Using</b>	For detailed information refer to the product label and the current Material Safety Data Sheet available through Dulux Sales and Customer Service offices.
<b>Flammability</b>	This product is not flammable. On burning will emit toxic fumes.
<b>Welding</b>	Avoid inhalation of fumes if welding surfaces coated with this paint. Grind off coating before welding.
<b>In the case of emergency, please call 0800 734 607</b>	

**Resistance Guide**

Chemical	Permanent Exposure	Intermittent Exposure
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**Transport And Storage**

Dangerous Goods Part A			
<b>Class</b>	N/A	<b>UN Number</b>	NA
Dangerous Goods Part B			
<b>Class</b>	N/A	<b>UN Number</b>	N/A

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