

## Dulux Weathermax HBR Gloss





NZDI0916

Description
WEATHERMAX HBR is a high performance coating that exhibits excellent gloss and colour retention during extended service periods in severe industrial and marine environments.

Features And Benefits	
<ul style="list-style-type: none"> <li>High Build Brush/Roller Application</li> <li>Superior Gloss &amp; Colour Retention</li> <li>Two Pack Polyurethane</li> </ul>	<ul style="list-style-type: none"> <li>Ideal coating for on site maintenance</li> <li>Suitable for long term exterior exposure</li> <li>Excellent solvent, chemical and abrasion resistance</li> </ul>

Uses
WEATHERMAX HBR has been locally developed for high build roller or brush application. It is a high build recoatable polyurethane coating designed to be used over a wide range of suitably primed substrates such mild steel, galvanised steel, concrete and aluminium.
Tested in accordance with AS4548.5 Appendix C & D for use as a concrete anti-carbonation coating system when used with Durebild © STE.

Performance Guide			
<b>Weatherability</b>	Excellent gloss and colour retention on exterior exposure.	<b>Salts</b>	Unaffected by splash and spillage of neutral and alkaline salt solutions.
<b>Heat Resistance</b>	Up to 120°C dry heat.	<b>Water</b>	Excellent resistance to fresh and salt water but not suitable for immersion.
<b>Solvents</b>	Resists splash/spillage of most hydrocarbon solvents, ref.petroleum products and common alcohols.	<b>Abrasion</b>	Good when fully cured.
<b>Acids</b>	Preferred coating for splash/spill of most acids. Colours using lead pigments will fade prematurely.	<b>Alkalis</b>	Good resistance to splash/spill of most alkalis. Colours using lead pigments will fade prematurely.

Typical Properties			
<b>Classification</b>	Acrylic polyurethane coating	<b>Finish</b>	Gloss
<b>Colour</b>	White, selected factory made colours and a range of tinted colours	<b>Components</b>	2
<b>Flash Point</b>	16 C	<b>Pot Life</b>	2 Hours @ 25°C
<b>Shelf Life</b>	12 months minimum @ 25°C	<b>Mixing Ratio (V/V)</b>	4 pt A : 1 pt B by volume
<b>Thinner</b>	Prothinner 800 (965-63023)	<b>Suitable Substrates</b>	Suitably primed steel, aluminium, zinc coated steel, concrete, polyester composite or MDF.
<b>Line/Shade</b>	<ul style="list-style-type: none"> <li>770-line (Part A)</li> <li>976-84593 (Part B)</li> </ul>		
<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>	70	
		<b>Min</b>	<b>Max</b>
	<b>Wet Film Per Coat (microns)</b>		<b>Recommended</b>
	<b>Dry Film Per Coat (microns)</b>		145
	<b>Recoat Time (min)</b>	10 Hours	Indefinite
	<b>Theoretical Spread Rate (m<sup>2</sup>/L)</b>		7

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	70	V.O.C. Level <280g/L		Pot Life 2 Hours (4L, 25C)		
Temperature	Humidity	Touch	Handle	Full Cure	Recoat Min	Recoat Max
25 C	50%	3 Hours	10 Hours	7 Days	10 Hours	Indefinite
15 C	50%	10 Hours	25 Hours	7 Days	25 Hours	Indefinite
# TYPICAL SPREADING RATE AT RECOMMENDED DRY FILM BUILD				# A spreading rate of 7.0sq. meters per litre corresponds to 100 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.					

**Surface Preparation**

It is recommended that specifiers follow the guidelines for surface preparation from the data sheet for the primer selected. The primer surface 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 before use – 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 10 minutes
<b>Brush/Roller</b>	Apply even coats of the mixed material to the prepared surface. Thin if necessary with up to 50 ml/litre with Prothinner 800 to ease application. When brushing and rolling additional coats may be required to attain the specified thickness. Note - If a highly decorative appearance is required it may be necessary to adjust thinning levels (up to 100 – 150ml/litre), roller type and application technique.
<b>Conventional Spray</b>	Thin up to 100 ml/litre with Prothinner 800 to aid atomisation. Typical Set-up Graco Delta Gun: 1.8mm (239543) Pressure at Pot: 65-100 kPa (10-15 p.s.i.) Pressure at Gun: 385-420 kPa (55-60 p.s.i.)
<b>Airless Spray</b>	Standard airless spray equipment such as a Graco 45:1 Xtreme with a fluid tip of 15-19 thou (0.38-0.48mm) and an air supply capable of delivering 550-690 kPa (80-100 p.s.i.) at the pump. Thinning is not normally required but up to 50 ml/litre of Prothinner 800 may 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® Australia. 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. Ensure that you read and understand the safety precautions on the Material Safety Sheets for the two components before using. The recommended thinner MUST be used as some solvents react with the isocyanate hardener seriously degrading the life of the coating. Under no circumstances should water or non-recommended thinner be allowed to contaminate the product. To
<b>Clean Up</b>	Clean all equipment with Prothinner 800 (965-63023) immediately after use.

**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 as required for a flammable liquid Class 3a in a bunded area under cover. 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, ingestion, inhalation and prolonged or repeated skin contact should be avoided by good occupational work practice. Eye protection approved to AS1337 should be worn where there is a risk of splashes entering the eyes. Always wash hands before smoking, eating, drinking or using the toilet. Gas is evolved when isocyanate in the hardener reacts with water. If a closed container shows signs of internal pressure, cover it completely with a cloth and remove the lid slowly to prevent splashing or violent expulsion of the lid.
<b>Using</b>	Use with good ventilation and avoid inhalation of spray mists and fumes. If risk of inhalation of spray mists exists, wear a positive-pressure, air-supplied respirator. When spray painting, users should comply with the provisions of the respective State Spray Painting Regulations.
<b>Flammability</b>	This product is flammable. All sources of ignition must be eliminated in, or near the working area. DO NOT SMOKE.
<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

Transport And Storage			
<b>Packaging</b>	4L Pack	<b>Transportation</b>	1.43Kg/L
Dangerous Goods Part A			
<b>Class</b>	3b	<b>UN Number</b>	1263
Dangerous Goods Part B			
<b>Class</b>	3b	<b>UN Number</b>	1263

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DuluxGroup (New Zealand) Pty Ltd 150 Hutt Park Road NZ ACN 133 404 118