

Dulux Luxafloor Eco2 Low Sheen

AUDI1315





Specifications	AS/NZS 4586 R11 Slip Rating (when used with Stir-In Aggregate Fine)
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Description
LUXAFLOOR® ECO2™ is a low build, water borne, two pack epoxy floor coating that provides a hardwearing surface. It is ideal for use in areas subject to foot traffic. LUXAFLOOR® ECO2™ can be applied as a slip resistant finish by the addition of LUXAFLOOR® STIR-IN AGGREGATE FINE.

Features And Benefits	
<ul style="list-style-type: none"> ▪ WATER BORNE EPOXY FLOOR COATING ▪ TOUGH FILM ▪ EXCELLENT ADHESION TO CONCRETE ▪ GOOD CHEMICAL RESISTANCE ▪ LOW VOC – LESS THAN 10g/L 	<ul style="list-style-type: none"> ▪ LOW ODOUR ▪ AVAILABLE IN A SELECTED RANGE OF FACTORY MADE AND TINTED COLOURS ▪ AVAILABLE IN CLEAR COAT FINISH ▪ SHORT RECOAT TIME

Uses
LUXAFLOOR® ECO2™ is ideal for use in internal floor areas where the odour of conventional epoxy floor coatings prevents their use. LUXAFLOOR® Clear Coat is suitable for use direct to concrete or as a protective coat over a LUXAFLOOR® ECO2™ colour finish.

Performance Guide			
Weatherability	Will yellow with time and chalk on exterior exposure. Use a weatherable topcoat on exterior floor areas.	Salts	Excellent resistance to neutral and alkaline salts.
Heat Resistance	Up to 120°C dry heat.	Water	Excellent resistance to fresh and salt water but not suitable for immersion.
Solvents	Good resistance to splash and spillage of aromatic and aliphatic hydrocarbon solvents and alcohols.	Abrasion	Excellent when fully cured. CS-17 Wheels 120mgs/1000 cycles (Taber Abraser 1000gm load/wheel)
Acids	Good resistance to splash and spillage of dilute acids.	Alkalis	Excellent resistance to splash and spillage of most alkalis.

Typical Properties			
Finish	Eggshell	Colour	Clearcoat, Light Grey and Vivid Yellow, and a range of colours tinted from Pastel Base using the Dulux Authentic Colour® Low VOC Tint System.
Components	2	Flash Point	Non Flammable
Pot Life	2 hours (10L Pack @25°C)	Shelf Life	12 months
Mixing Ratio (V/V)	Part A : 1 Part B : 2	Thinner	Potable Water
Suitable Substrates	Diamond ground or track blasted concrete	Line/Shade	<ul style="list-style-type: none"> ▪ 714-89840 Pastel Base ▪ 714-38678 Light Grey ▪ 714-39119 Vivid Yellow ▪ 714-89899 Clear Coat ▪ 976-89841 Hardener
Primers	N/A	Topcoats	N/A
Product Code	PC296		
Meets GBCA VOC Requirement?	Yes. Total Volatile Organic Content (TVOC) values are calculated in accordance to the stated methodology within Green Star Technical Manuals. The TVOC content is theoretically calculated as the sum total of the known VOC values of the product's raw material components. These materials include the base paint plus additional low VOC tinter required for non-factory packaged colours.		
Application Methods	    Air Spray Airless Spray Brush Roller		
Application Conditions		Min	Max
	Air Temperature	10°C	35°C
	Substrate Surface Temperature	10°C	35°C
	Relative Humidity	85%	
	Solids By Volume	42	
		Min	Max
	Wet Film Per Coat (microns)	95	190
	Dry Film Per Coat (microns)	40	80
	Recoat Time (min)	4 Hours	48 Hours
	Theoretical Spread Rate (m²/L)	10.5	5.3
Typical Properties Notes	<p>Concrete Moisture Content <10%</p> <p>These figures are given as a guide only, as ventilation, film thickness, humidity, thinning and other factors will influence the rate of drying. NOTE – Temperatures above relate to the floor/substrate temperature and not the ambient temperature. Do not use any product past its pot life. Product past its pot life may still appear fit for use but will develop substantially reduced gloss and may show excessive brittleness.</p> <p>Higher film builds can be achieved by spray application but this will extend drying times.</p> <p>If the maximum overcoat interval is exceeded then the surface MUST be abraded to ensure maximum intercoat adhesion.</p> <p>A spreading rate of 6.5 sq. meters per litre corresponds to 65 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.</p>		

Typical Systems

Typical System CONCRETE - Smooth Finish

Preparation Guide Remove curing agents and other surface contaminants. Diamond grind or track blast

Coat	Product	Spread Rate (m ² /L)	WFT (micron)	DFT (micron)
1st Coat	Luxafloor Eco2	6.5	155	65
2nd Coat	Luxafloor Eco2	6.5	155	65
Minimum System DFT				130

Notes If application is by brush or roller, additional coats will be necessary to achieve the minimum DFT and full opacity.

Typical System CONCRETE - Slip Resistant Finish (AS4586 slip rating R11)

Preparation Guide Remove curing agents and other surface contaminants. Diamond grind or track blast

Coat	Product	Spread Rate (m ² /L)	WFT (micron)	DFT (micron)
1st Coat	Luxafloor Eco2	6.5	155	65
2nd Coat	Luxafloor Eco2	6.5	155	65
Minimum System DFT				130

Notes If application is by brush or roller, additional coats will be necessary to achieve the minimum DFT and full opacity.

System Performance Data

Test Result Name	Test Method	Unit of Measure	Result	Comments
Wet Pendulum	AS4586	V-Z	Z	No Aggregate
Wet Pendulum	AS4586	V-Z	W	With Luxafloor Aggregate Stir In Fine incorporated into final coat

Surface Preparation

Concrete Floors: Concrete must be at least 28 days old before coating. Remove curing compounds, oil, grease and other oily contaminants with Gamlen CA 1 detergent (according to the manufacturer's written instructions and all safety warnings). Diamond grind, track or light shot-blast concrete floors to remove laitance and to provide a suitable profile. Remove all dust by vacuum cleaning. Fill any large cracks or voids using Luxepoxy® Filler.

Application Guide

Application Method	All equipment previously used with solvent based paints should be flushed sequentially: firstly with acetone, then with Ethanol (Methylated Spirits) and then water before use. 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 Mix each can thoroughly using a power mixer until the contents are uniform. Ensure bases have been tinted to the correct colour before use. DULUX® ASSUMES NO RESPONSIBILITY FOR THE APPLICATION OF INCORRECT COLOUR. Mix the contents of both packs together thoroughly with a power mixer and let stand for 3 minutes. Box all containers before use to ensure colour consistency. Remix thoroughly before application. To aid application and penetration into the concrete, thin the first coat up to 15% with fresh potable water toward the end of the mixing process.
Brush/Roller	Roller application suitable for use on concrete floors by applying even coats of mixed material to the prepared surface. It is recommended that typical "X" and "Y" roller patterns be used, working in small areas of up to 10m ² at a time, keeping a wet-edge moving forward. When brushing and rolling additional coats may be required to attain the specified thickness.
Conventional Spray	Typical Set-up Graco Delta Gun: 1.8mm (239543) Pressure at Pot: 70-100 kPa (10-15 p.s.i.) Pressure at Gun: 380-415 kPa (55-60 p.s.i.)
Airless Spray	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.
Precautions	This is an industrial product designed for use by experienced Coating applicators. Where conditions may require variation from the recommendations on this Product Data Sheet contact your 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. Do not use any product past its pot life. Product past its pot life may still appear fit for use but will develop substantially reduced gloss and may show excessive brittleness. 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 5°C, or where the surface temperature is below 5°C. Do not apply at relative humidity above 85% or when the surface is less than 3°C above the dewpoint. Product should be protected against ponding water for 24 hours after application. After this period ponding water may cause temporary lightening of the colour which will recover after the surface is dried. When applying this product to broad surfaces such as floors use only one application method to avoid colour variation or streaking. ***Not recommended for use on car park / garage floors.***
Clean Up	Clean all equipment by thoroughly flushing with water and then ethanol or methylated spirits.
ADHESION	80 kg/cm ² (1100 p.s.i.) (Dolly Pull Off, AS1580.408.5)

Overcoating

Degrease with Gamlen CA 1 according to the manufacturer's written instructions and all safety warnings. Test adhesion of existing coating by standard cross hatch adhesion test. If the coating fails, remove it. Use an epoxy filling mortar such as Dulux® Luxepoxy® Filler to fill any cracks or defects in the concrete. Spot prime bare areas with your chosen floor coating. Mechanically grind the existing coating to remove any gloss and create a good key for the new coating. Vacuum clean to remove all dust.

Health And Safety

Safety Precautions	Read Data Sheet, SAFETY DATA SHEET and any precautions on container labels. SAFETY DATA SHEET is available from Customer Service (13 23 77) or www.duluxprotectivecoatings.com.au.
Storage	Both components are NOT classified as dangerous goods for transport or storage. Store in well ventilated bunded area under cover and away from sources of heat. Keep containers closed at all times.
Handling	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.
Using	Use with good ventilation and avoid inhalation of spray mists and fumes. If risk of inhalation of spray mists exists, wear combined organic vapour/particulate respirator. When spray painting, users should comply with the provisions of the respective State Spray Painting Regulations. This product contains silica. Dry sanding should therefore be avoided and if it cannot wear appropriate respiratory protection.
Flammability	This product is NOT flammable.
Welding	Avoid inhalation of fumes if welding coated surfaces.
In the case of emergency, please call 1800 033 111	

Transport And Storage

Packaging	Available in 10 litre packs	Transportation	1.34 kg/litre (Average of components)
Dangerous Goods Part A			
Class	Part A: Non Dangerous Goods		
Dangerous Goods Part B			
Class	Part B: Non Dangerous Goods		

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