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## ECO-GLOW 100 PL

Two Pack Flexible Self Priming high hysteresis waterproofing membrane designed for on-site application to walk ways, bridge rails, tunnels and building entrances, concrete coving, wharfs and jetties, roof top walkways, steps, stairs and ladders or any substrate that needs to be visible during the hours of darkness that also requires toughness, UV stability and a high degree of protection from water ingress. Contains a high performance, long lasting photo-luminescent pigment with high luminescence value and rapid recharge. Eco-Glow 100 PL is a zero VOC product suitable for most substrates.

**Intended Uses** As a safety product to mark and illuminate hazards such as walkways, barriers, steps, escape routes, doors and edges.

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## Practical Information for Eco-Glow 100 PL

Colour	Pale Green.
Gloss level	Medium gloss
Volume Solids	>99%
Typical Thickness	1000 - 2500 microns dft per coat 1000 - 2500 microns wet
Theoretical	
Coverage	1 m <sup>2</sup> / litre at 1000 microns dft
Method of	
Application	Airless spray, brush, roller

## Drying Time

Temperature °C	Touch dry	Hard dry	Overcoating time with self
10°C	3 hrs	6 hrs	16 hrs
20°C	1.5 hrs	4 hrs	12 hrs
25°C	1 hrs	3 hrs	6 hrs

All drying time data is quoted on a wet film thickness of 1000 microns and assumes good airflow and humidity.

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## Regulatory Data

Flash Point	>100°C
Product density	1.26 Kg/L
VOC	<1.0g/L

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## Surface Preparation

See guide Specifications for detailed information.

Optimum performance is achieved over a white or a white coated substrate.

All surfaces to be coated should be clean, dry and sound. Prior to paint application, all steel surfaces should be assessed and treated in accordance with ISO 8504:2000.

Eco-Glow 100 PL may be applied over bitumen, concrete galvanised steel, steel, plastic (may require solvent etch, butyl rubber (when cleaned thoroughly), fibreglass, acrylics, aluminium, dry timber and PVC. If any doubt over suitability of a substrate for Eco-Glow 100 PL, it is highly recommended to do a test area and an adhesion test after 24 hours of product curing.

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**Application** **Mixing** This material is a two component coating system and should always be thoroughly mixed before application in the correct ratio.

Mix Ratio	2 Parts A to 1 Part B or 1.53Kg of Part A to 0.8Kg of Part B -may be diluted to application viscosity after mixing both components. Roller application with an 8mm nap will require 0.2L of solvent blend per kit, and will then cover 2 m <sup>2</sup> /Kit per coat - giving an DFT of 1000 microns per coat.
Airless Spray	Tip range 19-25 thou, 2500 psi
Brush	Suitable for small areas - multiple coats are typically needed to achieve the required dft.
Roller	Suitable for small areas Typically 800 microns wet film per coat.
Thinner	Special solvent blend
Clean up	Hexane or DMF
Pot life	Once mixed Eco-Glow 100 PL will remain workable for 1 - 1 1/2 hours, mix in the supplied containers to avoid seeding of the product with partially cured material.

**Work Stoppages** Do not allow material to remain in hoses or spray equipment for more than 30 minutes.

All unused material should be stored in tightly closed containers. Use a FIFO stock control.

**Clean up** Clean all equipment immediately after use. It is good working practice to periodically flush out spray equipment during the course of the day.

All surplus materials and empty containers should be disposed of in accordance with appropriate regional regulations/legislations.

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## Product

**Characteristics** Eco-Glow 100 PL should be stored in dry conditions above 5°C. For optimum application and drying characteristics the substrate and the air should be greater than 10°C and relative humidity between 50 and 85%. Good air flow and ventilation should be maintained to improve curing and re-coat properties and speed up application.

Discard cured excess Eco-Glow 100 PL in accordance with local disposal regulations.

Surface temperature should always be 3°C above the dew point. In line with best painting practice, application should not take place in conditions which are deteriorating ie the temperature is falling, or inclement weather is imminent. Eco-Glow 100 PL is rain fast after 2 hours at 20°C.

The finished appearance of Eco-Glow 100 PL is dependent on application method. For visible areas spray application is preferred, which can provide a smooth finish.

Higher decorative finishes may require additional preparation before application of top coats.

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## Safety

**Precautions** Eco-Glow 100 PL is intended for use only by professional applicators in industrial situations in accordance with industry best practices.

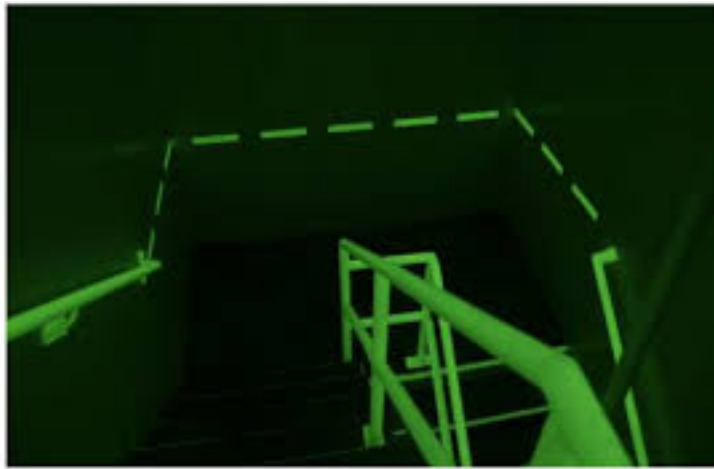
All work involving the use and application of this product should be performed in compliance with all relevant national Health, Safety and Environmental standards and regulations.

**Pack Sizes** 1.2 litres Volume Part A

0.800 litre Volume Part B

2.4 Kg Weight

Shelf life = 12 months in original unopened packaging



## PHYSICAL PROPERTIES

Abrasion Resistance	ASTM D4060	0.14g/1000 cycles
Bond Strength MarinePlywood	ASTM D4541	12.7 MPa on STPU, Galvanising and
Elongation	ASTM D4541	300 %
Durometer Hardness	ASTM D2240	>100 Shore D
Impact Resistance	ASTM D2794	18Nm@2mm
UV resistance	ASTM D2565	Less than 1% change in gloss or elongation after 18,000 hours accelerated testing
Scratch Resistance	ASTM D1242	0.03mm after loading removed 60s.
Chemical Resistance	ASTM D543	Excellent against acids, alkalis, petroleum spirits, cleaning chemicals and agrochemicals.
Charge time in sunlight		3 hours
Discharge time from full charge		9 hours at < 32 lums per square metre.

