



IGL Aegis is a transparent anti-corrosion coating. Formulated as a silicone hybrid resin based 2-component (2K) paint system, Aegis is reinforced with graphene to boost performance and mechanical properties. Specifically designed to protect steel, concrete, glass and all other kind of surfaces in high corrosive environments (C5).

IGL Aegis transparency quickly reveals early corrosion, enabling immediate preventive action, saving time, costs, and accidents. These coatings not only shield metal surfaces but also form a barrier, preventing chemical contact.

- ANTI-CORROSION

:
- TRANSPARENCY

:
- CHEMICAL RESISTANCE

:
- HYDROPHOBICITY

:
- ABRASION RESISTANCE

:
- UV RESISTANCE

:



GRAPHENE REINFORCED ANTI-CORROSION CLEAR COAT

FOR METAL & ALLOY SURFACES

Aegis has been tested extensively in a wide range of environments. From the arid deserts of Western Australia to the tropical city of Kuala Lumpur, it has consistently outlasted or outperformed existing solution.



UNCOATED



COATED

Note: 2 layers of Ecocoat Aegis was applied for this 6,000 hour Salt Spray Test

PRODUCT TECHNICAL DATA

- Pot-life

:

4 hours
- Dry-to-touch:

:

Approx. 6 hours
- Through drying

:

Approx. 8 hours
- Minimum wet thickness

:

100 µm per layer
- Coverage

:

25 g per sq. ft.
- Service temperature

:

<150 °C
- VOC content

:

<150g/L

* for more information please contact your local rep



UNDERCARRIAGE PROTECTION



Protect against corrosion while resisting dirt and grime

PRODUCT SUMMARY

Test	Values	Standard
Durometer Hardness Test	D/63.5/1	ASTM D 2240
Salt Spray Test	6000 hours	ASTM B 117, D 610, D 714
Heat Resistance, 155°C	Pass	ASTM D 2485
Methyl Ethyl Ketone (MEK) Rub Test	1500 rubs, no effect	ASTM D 4752
Rust at Inscribe, Corrosive Environment Test	Rating 7	ASTM D 1654
Water Resistance (40°C, 4000 hours)	Pass	ASTM D 870
Water Contact Angle	87.8°	ASTM D 7334
Gloss	94.9°	In house
Adhesion, Cross-Cut Tape Test	5B	ASTM D 3359
Adhesion, Cross-Cut Tape Test @ 0° Celcius	5B	ASTM D 3359
Adhesion, Pull-Off Strength	592 psi	ASTM D 4521-22
Impact Test	8.9 J	ASTM D 2794
Impact Test @ 0° Celcius	1.8J	ASTM D 2794
Pencil Hardness	3HB (7 days), >10H (60 days)	ASTM 3363-05
QUV-A Weathering	2000 hours	ASTM G154 Cycle 1
Chemical Resistance, Spot Test, Uncovered	Prolonged exposure (24 hours) to butyl acetate, MEK and Ecoclean Delete may damage the coating	ASTM D 1308
Surface Burning Characteristics	Class A (FSI and SDI 10)	ASTM E84-23
Skid Resistance Test/Anti Slip	Wet : 35 BPN, Dry : 105 BPN	ASTM E303
Taber Abrasion, CS17, 1kg, 1000 cycles	<150 mg loss per 1000 cycles	ASTM D 4060-19
Taber Abrasion, CS10, 1kg, 1000 cycles	<150 mg loss per 1000 cycles	ASTM D 4060-19

CORROSION PROTECTION:

- STEEL
- ALLOY
- GLASS
- WOOD
- METALS
- CONCRETE

