



PIONEERS OF INNOVATIVE SUSTAINABLE COATINGS

IGL Coatings is a Malaysian technology firm based in Shah Alam focusing on developing innovative and disruptive nanotechnology products which is redefining the coatings industry by pioneering low and zero VOC ceramic coatings. IGL Coatings, a home grown brand from Malaysia, has expanded to more than 50 countries worldwide and is on a rapid expansion plan to grow further.

IGL Coatings is also the first in the industry to have its nanotechnology & graphene technology audited and verified by 3rd party auditor, tested by TUV Rheinland and is REACH Compliant (Registration, Evaluation, Authorisation and restriction of Chemicals). REACH is a European Union regulation, regulating thousands of substances such as lead, cadmium and AZO colors. IGL Coatings is ISO 9001 : 2015 certified.

WHY IGL COATINGS WHAT TO EXPECT



FREE FROM TOXIC & HEAVY METALS
Free from Lead, Chromium, Zinc and Xylene



EXTREME DURABILITY
Salt spray tested for 6,000 hours



TRANSPARENT
Detect early signs of corrosion easily and quickly



EASY TO APPLY
easy application by brush and spray



LIGHTER & THINNER
At 100 um, Aegis is lighter and thinner than other coatings



SELF-CLEANING
Its hydrophobic quality allows the surface to stay clean longer

INDUSTRIAL SOLUTION AEGIS



Longer Lasting



6,000 hours
salt spray



Easier To Use



Graphene
NanoTechnology



Free From Toxic
Chemicals



Free From Lead,
Chromium & Zinc



Lighter



Multi Surface Use

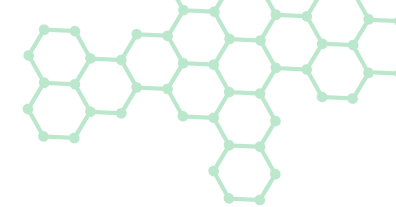


Transparent



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IGLCOATINGS

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IGL AEGIS
INDUSTRIAL SOLUTIONS

GRAPHENE REINFORCED
ANTI-CORROSION CLEAR COAT



WWW.IGLCOATINGS.COM

*Terms & Conditions Apply.



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.

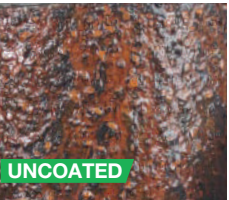
- ANTI-CORROSION** : 🟢🟢🟢🟢🟢
- TRANSPARENCY** : 🟢🟢🟢🟢🟢
- CHEMICAL RESISTANCE** : 🟢🟢🟢🟢🟢
- HYDROPHOBICITY** : 🟢🟢🟢🟢🟢
- ABRASION RESISTANCE** : 🟢🟢🟢🟢🟢
- UV RESISTANCE** : 🟢🟢🟢🟢🟢



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
- Maximum wet thickness : 50 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



AEGIS

COMPETITOR

Sanitary Landfill Leachate Treatment Plant



AEGIS

Mining Field

COMPETITOR



COMPETITOR

AEGIS

Combined Cycle Power Plant

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 (168 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

