

Epoxy Finish / Primer

Product Description

A two-pack epoxy finish/primer with excellent colour retention. It may also be used as a primer over galvanized and stainless steel.

As a finish/primer coat for use on areas above the waterline. Particularly suitable for use in areas such as engine room/deckhouse as a less yellowing finish/primer. This product is for use at Newbuilding.

Features

As a one-coat engine room system, this can help to reduce the number of coats¹, consequently helping to improve yard productivity and reducing costs.

Excellent sprayability and less over-spray results in reduced secondary surface preparation.

Less discoloration ensures uniform colour with subsequent coating and minimises the requirements of rework.

Good opacity ensures the best quality of the internal coating.

Finest adhesion to various substrates² minimises surface preparation.

Exceptional chemical resistance to lubricant and diesel oil provides universal concept of coating at engine room areas.

Product Information

Colour	EOB000-White, EOK724-Storm Gray, EOL274-Red, EOL549-SignalGreen, EOY999-Black ; and a wide range of colours
Surface preparation	Surface should be clean, dry and free from contamination
Volume solids	62% ± 2% (ISO 3233:1998)
Typical film thickness	100 microns dry (182 microns wet)
Hard dry	12 hours at 35°C (single coat) 28 hours at -5°C (single coat)
Method of application	Airless Spray, Conventional Spray, Brush, Roller

¹ Compared to typical two coats alkyd engine room system.

² Intact shop primers, mild steel, galvanized steel and stainless steel; Substrates to be treated in accordance with yard standard practice, consult your AkzoNobel representative for details.

For each of our products the relevant Product Data Sheet, Material Safety Data Sheet and package labelling comprise an integral information system about the product in question. Copies of our Product Data Sheets and Material Safety Data Sheets are available on request or from our website.

Unless otherwise agreed in writing, all products supplied and technical advice or recommendations given are subject to the Conditions of Sale of our supplying company and the provisions of the relevant product data sheet.

Key Attributes



One-coat system reduces number of coats,¹ resulting in improvement of work efficiency at yard.

To find out more visit: www.international-marine.com

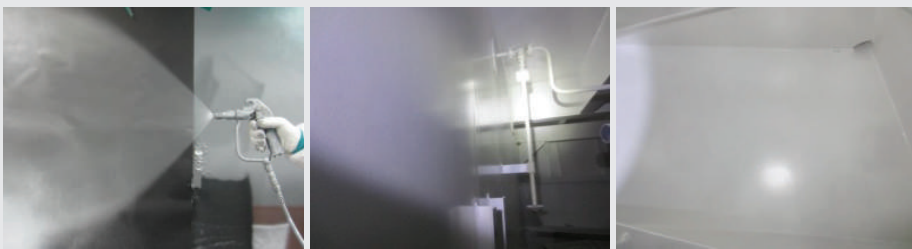
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Sprayability

Delivering consistent sprayability during the spray with less over-spray is the key characteristic to be achieved by finish coat. Intergard® 5555 attribute ensures excellent surface quality at engine room area.



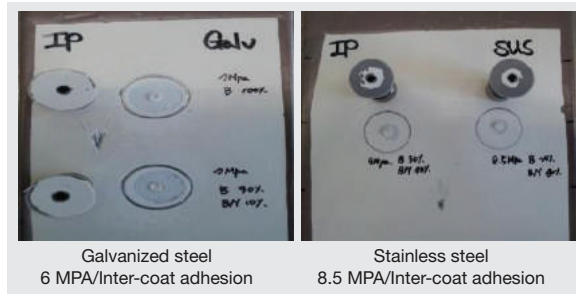
Poor sprayability (shown as above) results in dust over surrounding area and will reduce the gloss of the surfaces.



Intergard® 5555 exhibits excellent sprayability (spray fan) compared to typical one-coat engine room coating.

Adhesion to Various

In engine room area, there are many outfittings (such as pipes and ladders) installed. Intergard® 5555 shows excellent adhesion property to galvanised and stainless steel substrates.

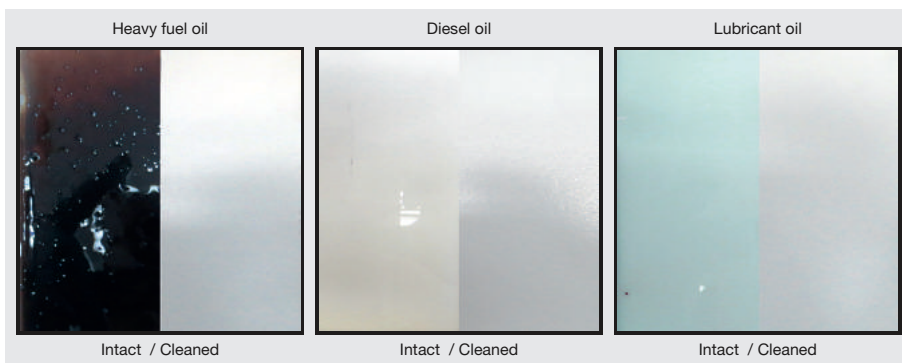


Galvanized steel
6 MPA/Inter-coat adhesion

Stainless steel
8.5 MPA/Inter-coat adhesion

Resistance to Chemical Substances

Intergard® 5555 has excellent resistance to oil contamination. We carried out heavy fuel/diesel/lubricant oil immersion. After cleaning, there is no contamination trace on the surface and excellent adhesion to the surface is maintained. (At 100 microns DFT)



Intact / Cleaned

Intact / Cleaned

Intact / Cleaned

Product Performance

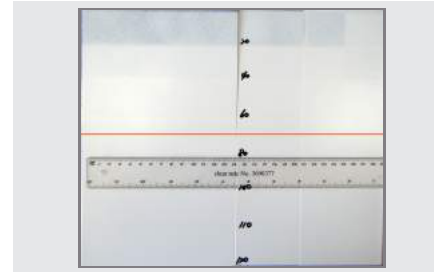
Colour retention test



Typical Alkyd System Typical Epoxy Finish Intergard® 5555

Panels at 60°C oven after 6 months exposure. Intergard® 5555 exhibits excellent colour retention compared to typical alkyd systems.

Hiding Power Test



The test result shows that Intergard® 5555 provides excellent hiding power at 70 microns DFT.

Excellent Application Properties



One of Major shipyards in South Korea



One of Major shipyards in P.R. China

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