

Abrasion resistant aluminium pure epoxy

Product Description

A light coloured, abrasion resistant, aluminium pure epoxy coating giving ultimate proven long term anticorrosive protection and can be applied at low temperature down to -5°C. A universal primer which can be applied directly to mechanically prepared shop primer or suitably prepared bare steel. Suitable for use with controlled cathodic protection. For use at Newbuilding or Maintenance & Repair.

Key Attribute

Intershield 300 is firmly established as the industry benchmark in long term protection. Introduced in 1988, it has successfully provided control of through life maintenance costs and enhanced vessel earning potential.

Features

Benefits

Ultimate long term corrosion and abrasion resistance	Long term asset protection, control of future maintenance costs and return on investment
High levels of aluminium pigmentation	Corrosion control - long term asset protection
IMO PSPC compliant	Meets latest regulatory requirements
Excellent edge retention	Corrosion control - long term asset protection
Universal application at Newbuilding and Maintenance & Repair	Improved coating process productivity and reduced waste

Product Information

Colour	ENA300 Bronze, ENA301 Aluminium
Surface preparation	Surface should be clean, dry and free from contamination
Volume solids	60% ± 2% (ISO 3233:1998)
Typical film thickness	2 x 160 microns dry (IMO PSPC Ballast tanks and Crude oil tanks)
Hard dry	6 hours @ 25°C
Minimum application temperature	-5°C
Method of application	Airless Spray, Brush, Roller

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

In-service Performance



Exceptional long term performance in crude oil tanks after 15 years in-service



Remarkable resistance to damage in cargo holds after 7.5 years in-service



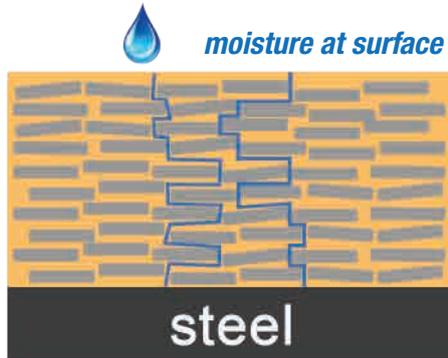
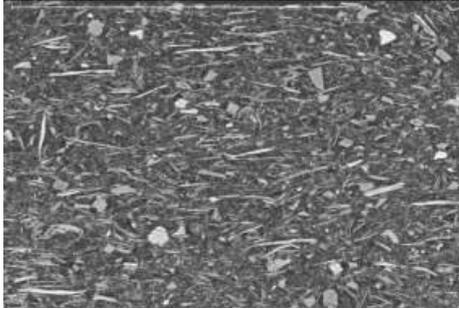
Superior condition of coatings on the hull of the ice going vessel (sailed through ice up to 40 centimeters thick) - a 150,000 cubicmetre LNG carrier

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

Intershield® 300

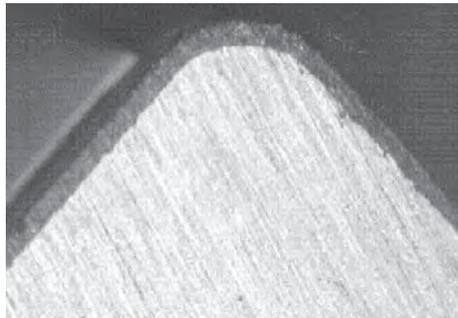
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> 9% Aluminium Pigment



The research has proved that Aluminium pigmentation significantly reduces cathodic disbondment and improves resistance to blistering in comparison to standard extenders and glass flake - SINTEF Materials Technology Report.

Edge Retention



Edges in water ballast tanks are generally the first areas to experience coating breakdown. Correctly formulated 'edge retentive' coatings mean that the same film thickness can be achieved on edges as that applied to flat surfaces.

Anti-abrasive

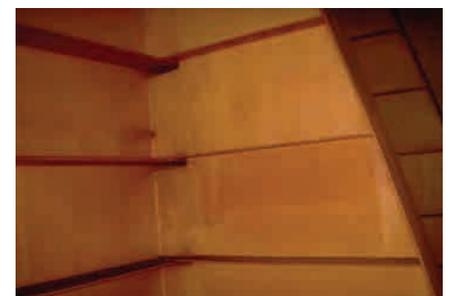


Panels show excellent anti-abrasive properties using an in-house test method, developed in association with the Newcastle University which simulates realistic in-service conditions. Coatings tested with coal cargo at 31,000 kg/m², followed by 18 months immersion in seawater.

In-service Performance



Bulk carrier ;
Exceptional long term performance in water ballast tanks after 19 years in-service



Bulk carrier ;
Exceptional long term performance of difficult-to-access area in water ballast tanks after 19 years in-service



Bulker carrier ;
Best-in-class edge retention - no breakdown on sharp edges after 19 years in-service

Unrivalled Track Record

Setting the standard since 1988, Intershield 300 has pioneered and delivered proven performance in corrosion protection and has been applied to over 20,000 vessels* for marine merchant ships. (*Number of applications correct as of October 2016)



60% LNGC Global Fleet Applied

The LNGC industry choice. Operators of LNGCs demand high performance coatings to deliver long term asset protection throughout the 40 year vessel life. That's why 60% of the world's LNGCs are protected by Intershield 300.

LNGC in-service performance

15 years in-service performance ; Delivered in January 2000, 75,319 DWT

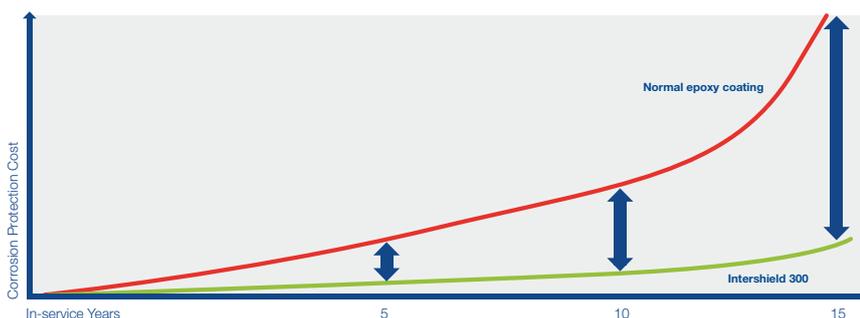


15 years in-service performance ; Delivered in December 2000, 75,315 DWT



Maintenance Cost Reduction

Application of the product at newbuilding and as part of a well-planned, lifetime maintenance strategy can reduce vessel lifecycle cost with a corresponding increase in asset value.



In-service Performance



Chemical tanker ;
Exceptional long term performance in water ballast tanks after 18 years in-service



Crude oil tanker ;
Exceptional long term performance in Oil tank inside after 15 years in-service

High solids, abrasion resistant, aluminium pure epoxy

Product Description

A high solids (78%), light coloured, abrasion resistant, aluminium pure epoxy coating giving ultimate long term anticorrosive protection and low temperature application capability. A universal primer which can be applied directly to mechanically prepared shop primer or suitably prepared bare steel. Suitable for use with controlled cathodic protection. For use at Newbuilding.

Key Attribute

Intershield 300HS was developed from Intershield 300 technology which delivers the same outstanding corrosion control the shipping industry has come to expect from Intershield 300.

Features

Benefits

Low VOC content (206 g/l) SED 152 g/kg	Control of solvent emissions
High levels of aluminium pigmentation	Corrosion control - long term asset protection
IMO PSPC compliant	Meets latest regulatory requirements
Lower viscosity than conventional high solids products	Excellent application properties

Product Information

Colour	ENA380 Bronze, ENA381 Aluminium
Surface preparation	Surface should be clean, dry and free from contamination
Volume solids	78% ± 2% (ISO 3233:1998)
Typical film thickness	2 x 160 microns dry (IMO PSPC Ballast tanks and Cruide oil tanks)
Hard dry	6 hours @ 25°C
Minimum application temperature	-5°C
Method of application	Airless Spray, Brush, Roller

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Application in Shipyards



One of major shipyards in P.R.China



One of major shipyards in P.R.China



One of major shipyards in Europe



One of shipyards in South Korea

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