



# Intershiield® 300/300HS

The industry benchmark in corrosion protection



**20,000**

Successful applications

**60%**

Of global LNGC fleet  
is protected with  
Intershield® 300

**20**

Years of proven  
performance

**>9%**

Aluminium by weight



***Long lasting protection with  
low maintenance costs***

**Intershield® 300 is our highest performing anticorrosive universal primer, suitable for use at newbuilding or maintenance and repair.**

- 20 years of proven performance to keep your assets in optimum condition
- Class-leading corrosion protection with rapid return on investment
- Proven operating efficiency with an unrivalled 20,000 successful applications

Aluminium pure epoxy formulation provides the perfect blend of abrasion resistance and corrosion protection, maximising operating efficiency and reducing maintenance costs.

Intershiel® 300 delivers exceptional in-service performance that's been proven time and time again.



19 years in ballast area. Topside tank- Starboard.



19 years in ballast area. Double bottom area. (After Mud removal)



*19 years in ballast area. Double bottom area.*

Well over three decades after its introduction, Intershield® 300 is an industry benchmark as the ultra-premium performance, abrasion resistant, anticorrosive marine coating.

In an industry where ship owners and operators are under pressure to increase operational and environmental efficiencies, the savings generated by Intershiel® 300 plays a key role in ensuring that users remain profitable and compliant.



# ***20 years of proven performance to keep your assets in optimum condition***

**Since its introduction in 1988, Intershield® 300 has successfully provided outstanding corrosion protection. We have several in-service track records which demonstrate long lasting proven performance of Intershield® 300.**

- Bulk carrier: Jin Hai Fu - 19 year in-service performance (ex Eleranta) in ballast area
- Chemical tanker: Stolt Creativity - 18 year in-service performance in ballast area
- LNGC: SK Supreme - 15 year in-service performance in ballast area
- Crude oil tanker: Samco Raven - 15 years in-service performance in crude oil tank area



*No. 3 Topside tank*



*No. 4 Double bottom*



*No. 7 Double bottom*

Not only was Intershield® 300 awarded the first Lloyd's Register IMO PSPC type approval certificate but also independent verification proves that Intershield® 300 protects beyond legislative compliance.



*Double bottom tank, top weld and edge*



*Topside Tank 1S*



*Double Bottom*

Following the inspection of the 'Eleranta' bulk carrier, Lloyd's Register rated the condition of the coating in the double bottom tanks as 'good' after 15 years in service – strong evidence of its durability to meet and exceed the requirements of the IMO PSPC.



*1st Stringer*



*2nd Stringer*



*3rd Stringer*

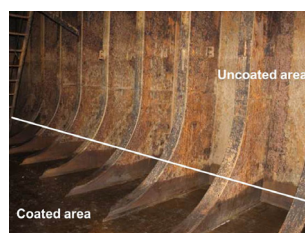
Intershield® 300 is AkzoNobel's highest performing anticorrosive universal primer, offering 20 years proven asset protection, control of through life maintenance costs and enhanced vessel earning potential.



*Tank top area, No. 4 Tank Starboard - Lower*



*Ceiling (Bracket), No. 5 Tank Starboard - Upper*



*Tank top area, No. 5 Tank Centre - Lower*

The Intershield® 300 in-service results speak for themselves.

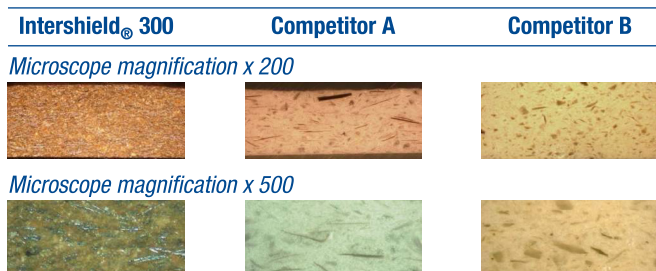
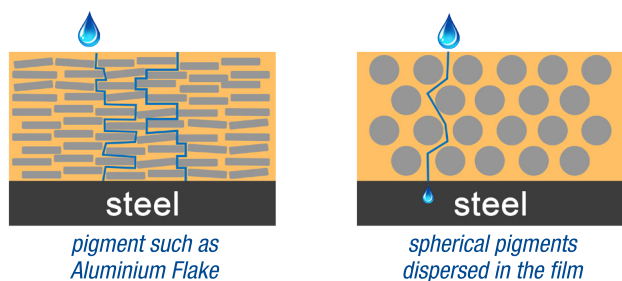
# Class leading corrosion protection with rapid return on investment

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

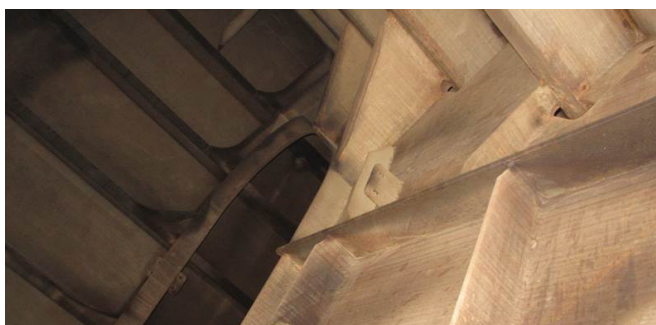
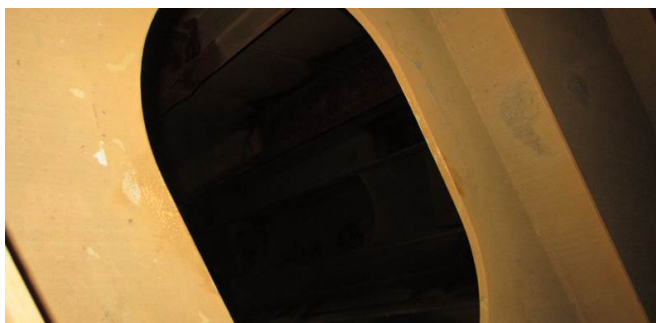
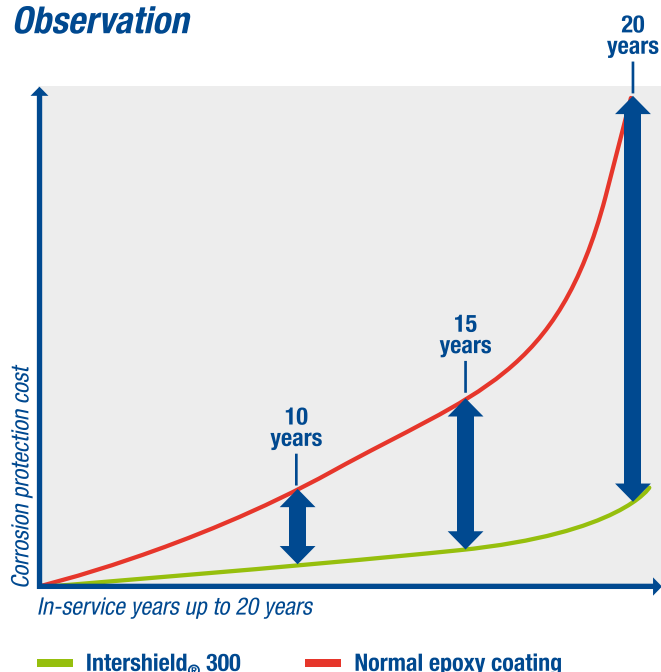
Intershield® 300 has over 9% aluminium, which acts as a barrier pigment and prevents the spread of corrosion at the steel surface. This coating contacts just the right level of aluminium (< 10% by weight in the dry film) to ensure compliance with classification society regulations for use on tanker decks, offering improved resistance to cathodic disbonding and long term corrosion protection.

## Barrier Properties

Abstract of water penetration; high density of aluminium pigment for Intershield® 300 vs Non-Aluminium pigmented competitors' film cross section



## Observation



Intershield® 300 after 19 years in-service. Bulk

Normal epoxy after 10 years in-service. VLCC



# **Intershield® 300HS**

## **Same performance, lower VOC**

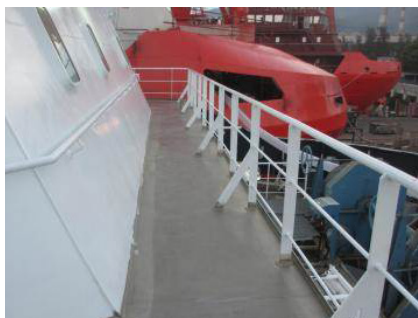
Developed to help both owners and shipyards to comply with local VOC emissions regulations, Intershield® 300HS is a breakthrough, low VOC (volatile organic compound), high solids formulation with over 9% aluminium pigmentation.

It delivers the same outstanding corrosion control the shipping industry has come to expect from Intershield® 300. Available globally, a number of applications have been done around the world.



*Ship yard in Romania,  
Vard Tulcea*

*Ship yard in South Korea,  
Kang-Nam*



*Ship yard in China,  
Guangxin*

*Ship yard in China,  
Fujian Southeast*

*Ship yard in China,  
Cosco Guangdong*

# ***Proven operating efficiency with an unrivalled 20,000 successful applications***

**We have not only seen continued trust and confidence in the performance of Intershield® 300, but also a growing understanding of its commercial and operational benefits, through efficiency savings and life-cycle cost reduction.**

Mr. Wesel Philippe, Site Manager, New Build and Projects at Teekay Shipping Ltd, said, “By applying Intershield® 300 at the newbuilding stage and maintaining it correctly during subsequent drydockings, there are considerable financial and environmental savings to be made. It is clear why Intershield® 300 is the market leading primer for LNG vessels and continues to be the benchmark for the wider shipping industry.”



In November 2016, AkzoNobel celebrated 20,000th application of Intershield® 300.



## ***Worldwide support***

**Our global network of over 500 technical service representatives is on hand to provide expert advice during application, ensuring optimal in-service performance of Intershield® 300/300HS, the industry benchmark in anticorrosive performance.**

**International is the brand of AkzoNobel's Marine and Protective Coatings business. AkzoNobel is a leading global paints and coatings company and a major producer of specialty chemicals.**

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