

# Intershield® 803

## Abrasion resistant pure epoxy

### Product Description

A two pack, abrasion resistant pure epoxy coating with excellent mechanical properties. As a high performance two pack abrasion resistant pure epoxy coating to limit mechanical damage and subsequent corrosion. Suitable for use with controlled cathodic protection. For use at Maintenance & Repair.

### Features

Excellent abrasion resistance

For vessel areas other than underwater hull, can be applied to surfaces prepared to Sa2 (ISO 8501-1: 2007)

Certified for the carriage of grain

FDA compliant

Aluminium free

Smooth surface

VOC compliant (222g/lit: EPA Method 24)

Aromatic amine free

### Benefits

Control of damage and corrosion

Abrasion resistance with control of surface preparation costs compared to Sa2<sup>1/2</sup> (ISO 8501-1: 2007)

Suitable for use in cargo holds carrying grain

Suitable for the carriage of dry foodstuffs into the USA

Suitable for the carriage of paper and timber

Assists in cleaning between cargoes

Control of solvent emissions

Health & safety for the applicator

### Product Information

<b>Colour</b>	EGA807 Grey, EGA808 Red
<b>Surface preparation</b>	All surfaces to be coated should be clean, dry and free from contamination.
<b>Volume solids</b>	75% ±2% (ISO 3233:1998)
<b>Typical film thickness</b>	125 microns
<b>Hard dry</b>	6hrs @ 25°C
<b>Minimum application temperature</b>	5°C
<b>Method of application</b>	Airless spray

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.

### Key Advantages



High solids, high build and easy to apply



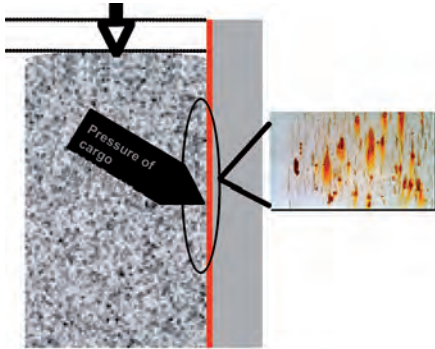
Smooth, glossy surface for cargo shedding and easy clean



Abrasion resistant to the modern high speed loading systems

# Intershield®803

## Cargo Settlement Damage



Cargo settlement

Damage to cargo hold coatings occurs mainly from cargo settlement during the voyage. This damage can be replicated in the laboratory and Intershield®803 performs consistently higher than standard modified epoxies used in bulk carrier holds.

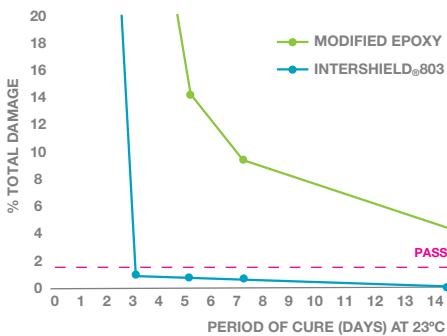
## Proof of Performance



After 4 loadings of coal from high speed loading equipment

## Fast Curing

Intershield®803 vs Modified Epoxy - Time to Full Cure



Intershield®803

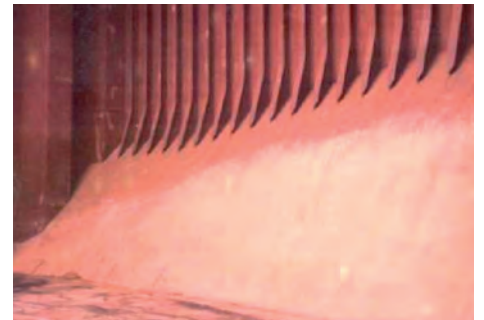


Other suppliers modified epoxy



After 3 years carrying mainly coal (minimal cargo stuck to bulkheads)

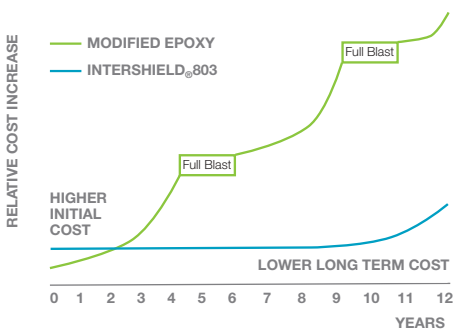
Intershield®803 has also been formulated to cure quickly at lower temperatures and poor ventilation, conditions often found in shipyards during winter applications and when the hatch covers are closed on a freshly coated hold. During performance testing, Intershield®803 reached full cure much faster than standard epoxies.



After 2 years in service carrying multi-cargoes

## Long Term Cost Benefit Analysis

Blasting costs plus repair paint over 12 years



Intershield®803 provides long term cost benefits. The higher initial investment is offset by a significant reduction in repair and maintenance at drydock and through life costs in comparison to a modified epoxy. Payback is in approximately 3 years.



3 years in service carrying various cargoes

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.

To find out more visit: [www.international-marine.com](http://www.international-marine.com)

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