

# Intershield® 803Plus

## Abrasion resistant pure epoxy

### Product Description

An ultra high performance two pack abrasion resistant epoxy coating. Provides excellent protection against cargo abrasion and impact shooting damage caused by high speed belt conveyors, minimising mechanical damage and subsequent corrosion. Suitable for use as a cargo hold coating at Maintenance and Repair.

### Features

Excellent resistance to shooting damage

Excellent abrasion resistance

Fast drying time

Can be applied to surfaces prepared to Sa2 (ISO 8501-1 2007)

Certified for carriage of grain

FDA compliant for dry foodstuffs

Smooth surface

VOC compliant (248g/l: EPA Method 24)

### Benefits

Extended coating lifetime

Control of damage and subsequent corrosion. Long term asset protection

Reduced vessel downtime before loading hard cargoes

Abrasion resistance with control of surface preparation costs compared to Sa2.5 (ISO8501- 1:2007)

Suitable for use in cargo holds carrying grain

Suitable for the carriage of dry foodstuffs into the USA

Easy cleaning between cargoes reducing down time

Control of solvent emissions

### Product Information

**Colour** EGA 903 Red, EGA904 Patriot Grey

**VOC** 248g/l

**Volume solids** 75% ±2% (ISO 3233:1998)

**Typical film thickness** 2 x 125 µm dry

**Hard dry** 6hrs @ 25°C

**Minimum application temperature** 5°C

**Method of application** 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.

### Application Properties



High solids, high build and easy to apply



Smooth and glossy finish for easy clean



Full bulkhead application, grey finish coat

# Intershield®803Plus

## High Speed Belt Conveyor Loading Damage (Shooting)

Intershield®803Plus has been especially designed to provide excellent resistance to modern high speed loading systems. Following development of a new test method, we are able to replicate the in service damage seen in coal and iron ore vessels. In these tests Intershield®803Plus has consistently outperformed other premium cargo hold coatings.

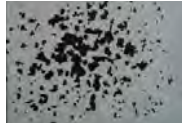
### High Speed Belt Conveyor Loading



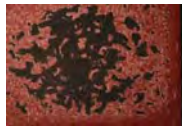
### Internal Testing Demonstrates Differing Levels of Impact Damage



Intershield®803Plus



Other Anti Abrasion Pure Epoxy



Modified Epoxy

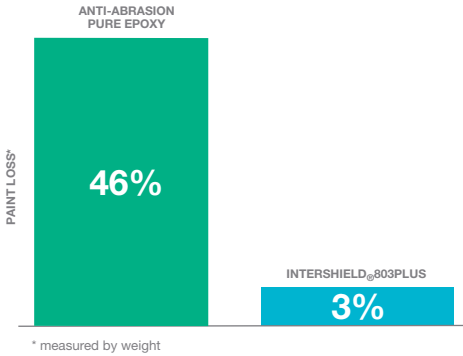


Typical damage from belt conveyor loading



Severe corrosion can quickly follow

## Impact Resistance - High Speed Loader Simulator

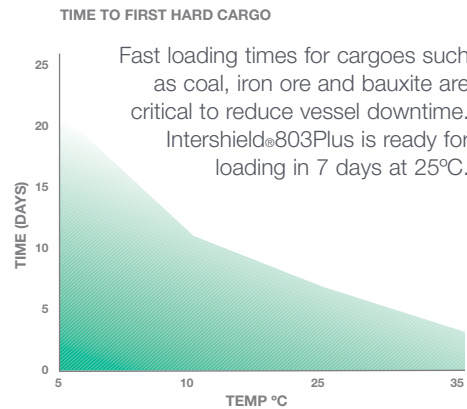
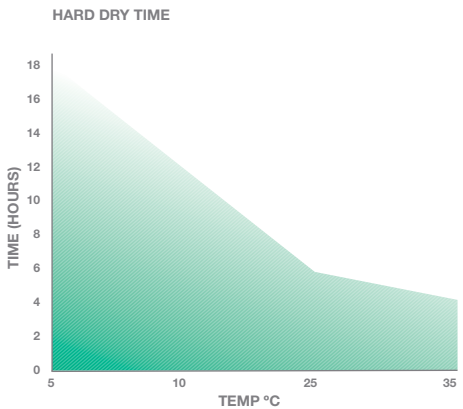


Internal testing has shown Intershield®803Plus to outperform other cargo hold coatings for impact resistance. This level of performance will deliver extended coating life and asset protection



Intershield®803Plus after 3 months in service following major refurbishment

## Drying and Loading Times to First Hard Cargo



Fast loading times for cargoes such as coal, iron ore and bauxite are critical to reduce vessel downtime. Intershield®803Plus is ready for loading in 7 days at 25°C.



Excellent condition after coal carriage

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)

✗, International and all products mentioned in this publication are trademarks of or are licensed to AkzoNobel © AkzoNobel, 2010  
International Paint Ltd, Stoneygate Lane, Felling, Gateshead NE10 0JY. Tel: +44 (0)191 469 6111 Fax: +44 (0)191 495 2003



April 2010