

# Interplate® 937

## Zinc silicate shop primer

### Product Description

A two pack, heat resistant, zinc silicate shop (pre-construction) primer providing good corrosion protection (even after heating up to 800°C (1472°F)) with minimum production of zinc salts. Excellent welding and cutting properties and resistance to damage caused by welding, gas cutting and fairing thereby reducing secondary surface preparation requirements in comparison to typical zinc silicate products.

Suitable for use at newbuilding as a shop (pre-construction) primer for the protection of steel during fabrication and assembly and for use with controlled cathodic protection.

### Features

Good anticorrosive performance and resistance to white rust (zinc salts)

Good anticorrosive performance after heating

Compatible with manual, semi-automatic and fully automatic welding techniques

Compatible with oxy-fuel and high speed cutting processes

IMO PSPC compliant, DVS and various other classification society type approvals

Low fume generation during welding and cutting

### Benefits

Minimal secondary surface preparation requirements, resulting in cost savings

Reduction in primer damage repairs compared with typical zinc silicate shop primers

Steel fabrication productivity and quality

Productivity and quality

Independent proof of performance

Improved working conditions

### Product Information

<b>Colour</b>	NQA933 Grey, NQA934 Brown (Brown available in Europe and North America only)
<b>VOC</b>	649g/lit (EPA Method 24)
<b>Volume solids</b>	23% ±2% (ISO 3233:1998)
<b>Typical film thickness</b>	13 microns dry (57 microns wet)
<b>Hard dry</b>	5 minutes at 25°C, 4 minutes at 35°C
<b>Theoretical coverage</b>	17.69 (m <sup>2</sup> /lit) at 13 microns dft
<b>Method of application</b>	Airless Spray, Conventional Spray (Brush / Roller - small areas only)

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.

### Heat Resistance Properties



Interplate®937 minimises burn damage on the back of welds



Excellent in service anticorrosion protection even after heating due to welding processes



Excellent fillet welding properties and resistance to burn damage

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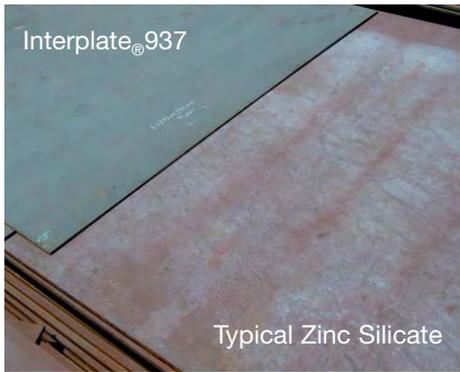
## Weldability

Interplate®937 exhibits excellent weldability with all welding techniques utilised in the modern newbuilding shipyard.



Results from in-house fillet welding test. Interplate®937 shows excellent welding properties using typical welding consumables and welding speeds.

## White Rust Resistance



Interplate®937 has excellent white rust (zinc salts) resistance compared to typical zinc silicate shop primers. This allows for significantly reduced secondary surface preparation.

## In Service Performance



Corrosion protection after heating due to welding processes



Interplate®937 reduces burn damage and white rust formation compared to typical zinc silicate shop primers

## Reduced Secondary Surface Preparation



Diagram illustrates the reduction of secondary surface preparation man hours for a 60,000 DWT crude oil tanker when compared to typical zinc silicates.



Excellent resistance to burn damage on backside of welds



Minimal burn / mechanical damage and white rust even after block fabrication

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