

# Interplate® Zero

## Water based inorganic shop primer

### Product Description

A two pack, heat resistant, water based shop (pre-construction) primer providing good corrosion protection and resistance to damage caused by welding, gas cutting and fairing. Suitable for fast welding processes and offers control of secondary surface preparation requirements. For use as a shop (pre-construction) primer for the protection of steel during fabrication and assembly. Suitable for use with controlled cathodic protection. For use at Newbuilding.

### Features

Zero volatile organic compounds (VOC)

Compatible with standard airless spray equipment

Fast drying

Early water resistance

Excellent weldability and anticorrosive protection after heating

Minimal secondary surface preparation

Wide overcoating compatibility

DNV B1 classification for water ballast tanks when applied as part of an approved scheme

IMO PSPC compliant

Classification society welding approvals

### Benefits

Environmental compliance

Compatibility with production processes

Control of roller / magnetic crane damage

Compatibility with production processes

Reduction in primer damage repairs

Meets shipyard for secondary surface preparation requirements

Integrity and performance of the final coating scheme

Independent proof of performance

Meets regulatory requirements

Independent proof of performance

### Product Information

<b>Colour</b>	ZER001 Grey, others on request
<b>VOC</b>	0g/lt calculated 0g/kg EU Solvent Emissions Directive
<b>Volume solids</b>	36% ±2% (ISO 3233:1998))
<b>Typical film thickness</b>	15 microns dry (42 microns wet)
<b>Hard dry</b>	4 minutes at 25°C / 2 minutes at 35°C
<b>Theoretical coverage</b>	24.00 (m <sup>2</sup> /lt) at 15 microns dft
<b>Method of application</b>	Airless Spray, Brush, Conventional Spray, Roller

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 Benefits



Excellent anticorrosive performance, even on backside of weld seams



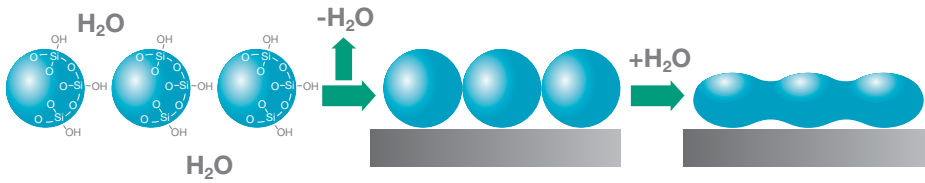
Can be immersed in a plasma bath immediately after application and drying



Fully compatible with manual, semi-automatic and fully automatic welding techniques

# Interplate®Zero

## Gel Reinforcement Process



Interplate®Zero contains a patented silica sol binder that cures via the Gel Reinforcement process to form a mechanically strong coating that is free from soluble salts. This unique patented binder technology does not contribute to osmotic blistering. Interplate®Zero can be directly overcoated with a wide range of approved top coat schemes, even in critical vessel areas such as water ballast tanks and on the underwater hull.

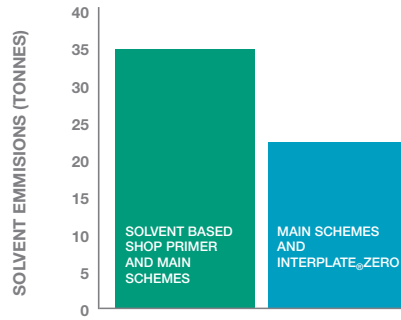
## Environmental Compliance

Interplate®Zero does not contain any VOC (Volatile Organic Content) solvents. Up to 35% reduction in total VOC emissions at newbuilding is achievable when switching from a solvent based shop primer to Interplate®Zero, shown below.

Note: Main schemes relate to all coatings applied apart from shop primer.



A 130,000 CGT Cruise vessel gives an approximate 25% VOC reduction



A 2500 teu Container vessel gives an approximate 35% VOC reduction



A European shipyard gives an approximate 25% VOC reduction

## Key Features



Upper and lower side shows excellent weldability results from submerged arc butt welding



Excellent weldability results from robotic welding trials



Interplate®Zero has excellent anticorrosion properties



Excellent anticorrosion properties even after heating from welding

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