

# CORRIZON

The Solution to End Corrosion Everywhere

[www.corrizon.jp](http://www.corrizon.jp)

Corrosion is  
the bacteria  
Corrizon is  
the antibiotics

approx  
**4,000,000,000,000 \$**  
/year Total worldwide cost of corrosion  
276 billion \$/year in USA alone.

Data by



We do not cover the metal  
...we treat it.

## 1 Effective

- It does not fight corrosion-rust but work with it. Capsulizing rust and active material penetrates into the metal and that system perfectly protects the metal.
- Suitable for highly damaged metals as well as new ones.

## 2 Safe & Eco friendly

- Waterborne totally green emulsion which is non flammable, non combustible & non poisonous.
- Rigorous safety standards, making it suitable for indoor use. No protective gear required, reducing the cost of treatment.

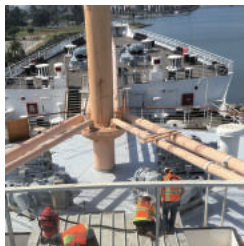
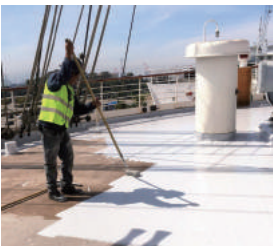
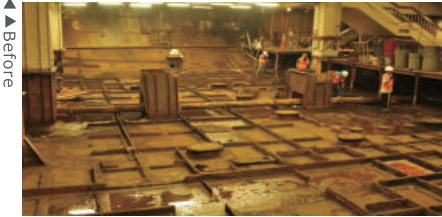
## 3 User-Friendly & Cost-Effective

- Single-component rust prevention agent which can be used without thinning, and can also be kept by storing in a sealed container.
- Fast drying coat, and can be over coated with almost any paint.
- Effective in extremely thin applications (25 to 30 microns), saving money and reducing the overall weight of coated metals.
- It does not need any strenuous expensive pre-cleaning. In many cases a high pressure water wash (400Bar or more) will suffice.



# Past Results

## Large Passenger Ship: Queen Mary 2 (U.S.A.)



During Treatment



After

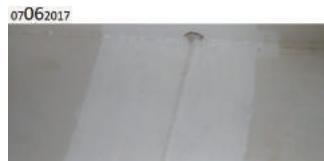
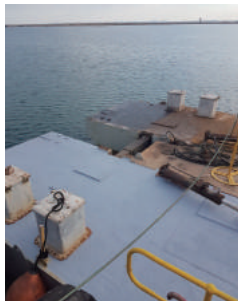


## Car Carrier Ship: Goliath Leader Ship



## Harbor Facility (Australia)

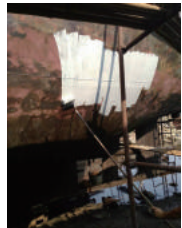
After



4 months later

## Large Ship (China)

Before  
After



## Armored Car



Before



After

## Large-Scale Longitudinal Pipeline

Before



After

Before

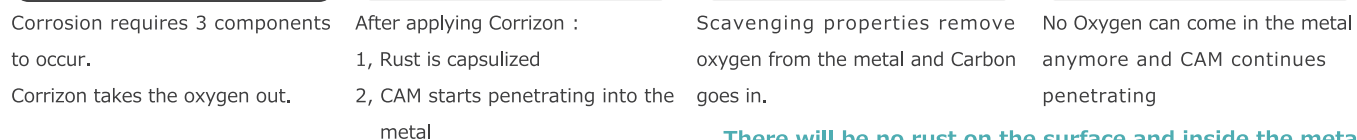
## Hangar



After



## Mechanism



**There will be no rust on the surface and inside the metal**

The GREENGUARD Certification Program is a global environmental sustainability standard issued by the American safety consulting company UL. It assures that products designed for use in indoor spaces meet strict chemical emissions limits. Corizon was awarded the highest standard, GREENGUARD Gold Certification, with stricter certification criteria to ensure that it is acceptable for use in environments such as schools and healthcare facilities.

✓- meets criteria; ✓- meets within 25%; X- over by more than 25% of criteria;

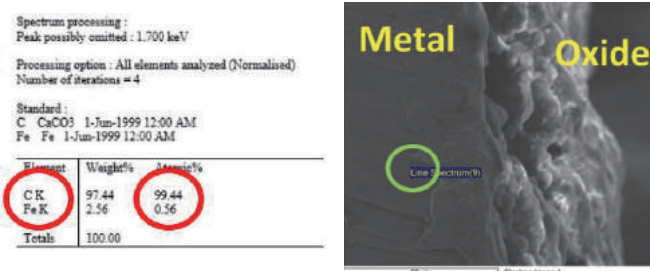


In a side-by-side comparison conducted by analysis agency IKA Laboratories Ltd. metal panels with and without Corrizon coating were subjected to salt spray tests. Even in the 1000 hour test, Corrizon was found to prevent corrosion and slow the reduction of panel thickness.

Figure 1 consists of two SEM images, A and B, showing the cross-sections of the membranes. Image A shows a cross-section with a dense skin layer (1) and a porous support layer (2). Image B shows a cross-section with a dense skin layer (1) and a porous support layer (2). Both images include a 100 µm scale bar.

A - Salt Water Spray Test After 300 Hours B - Salt Water Spray Test After 1000 Hours  
1 - Corrizon Coat 2 - Corrosion Product 3 - Oxide Layer 4 - Steel Panel 5 - Paint

Research into Corrizon's ability to permeate surface paint and reach the metal substrate was conducted by California Polytechnic State University. SEM and EDS analysis over 7 days following treatment confirmed the presence of carbon atoms in the paint layer and substrate.



Even when applied on top of old paint,  
Corrizon showed effective protection against metal corrosion.

<http://www.corrizon.jp>

An End to Corrosion Everywhere



# CORRIZON

## Specifications



Type	1-component waterborne emulsion
Application	Various metals
Storage temperature	5~40℃
Application conditions	Temperature 5℃ or above, humidity 75% or less
Preparation conditions	Pressure wash pre-cleaning
Drying time	Touch-dry in 20 ~ 40 minutes
Volume	20L / 120L / others available

## Quality



THE STANDARDS INSTITUTION OF ISRAEL  
Standards Institution of Israel  
OHS Certification  
SI  
OHSAS 18001:2007



THE STANDARDS INSTITUTION OF ISRAEL  
Standards Institution of Israel  
EMS Certification  
SI  
ISO 14001:2004



THE STANDARDS INSTITUTION OF ISRAEL  
Standards Institution of Israel  
OMS Certification  
SI  
ISO 9001:2008



Management System  
Certification  
IQNet

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Underwriters  
Laboratories Inc.



IKA Laboratories Ltd.



California Polytechnic  
State University

