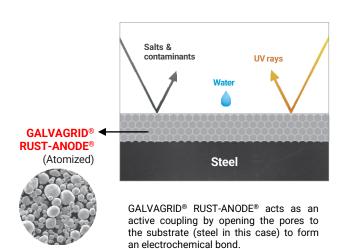
# **GALVANIC COATING VS. PAINT: OPERATING PRINCIPLES AND DIFFERENCES**

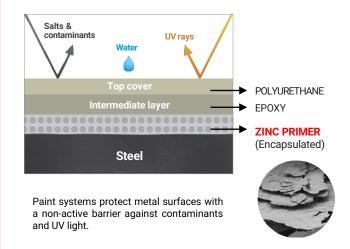


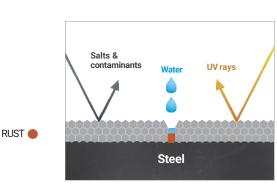


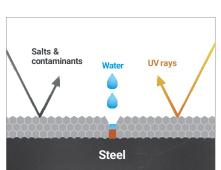
**VS** 

## TRADITIONAL PAINTING **SYSTEM**







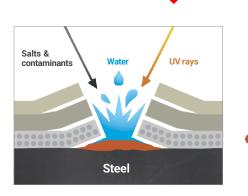


## **GALVAGRID**® **RUST-ANODE®**

10 000 hour cyclic corrosion test **ASTM D5894** 



In case of deep damage to the substrate (steel in this case), the area will be protected and limited to a light iron oxide. Rust will not develop or spread under the galvanisation.





RUST

The protective barrier deteriorates when exposed to UV light and contaminants, which permeate (infiltrate) the coating.

Cracks develop through the pores of the damaged coating, exposing the substrate to the onset of oxidation and corrosion.

Rust will develop under the paint film which will cause rapid deterioration of the paint system.



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## **APPLICATION & MAINTENANCE OF THE COATING**



**TECHNOLOGY GALVAGRID® RUST-ANODE®** 

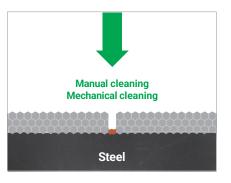
**VS** 

TRADITIONAL PAINTING **SYSTEM** 

### **Surface preparation**

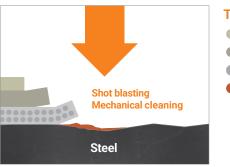
#### TO BE REMOVED:

BRITTLE RUST AND ZINC OXIDE



After removing zinc oxide, loose rust corrosion and/or (scale), apply GALVAGRID® RUST-ANODE® directly to the existing galvanised surface.

#### **Surface preparation**



The existing paint layer, as well as any rust, should be removed and returned to sound metal to ensure proper adhesion of the paint system.

## TO BE REMOVED:

- POLYURETHANE
- EPOXY
- ZINC PRIMER
- RUST

#### **Application**

#### 1 NEW LAYER:

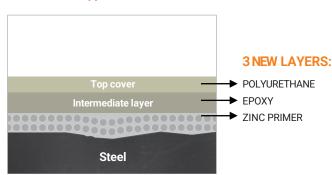
**GALVAGRID® RUST-ANODE®** 



The old galvanisation is recharged, the original service life is restored and the cathodic protection is maintained.



#### **Application**



A 3-coat system should be applied to achieve a good surface protection barrier.





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