



Waterborne superior  
corrosion resistance

Alloy plating

# New RUSPERT<sup>®</sup>



Completely  
chromium-free

Superior  
Corrosion  
Resistance

Improving  
the Damage  
Resistance

Color  
Variation

 Nihon Ruspert Co., Ltd.



JQA-QMA13679  
JQA-EM6160



CM009



# New RUSPERT®

**New RUSPERT®** is \_\_\_\_\_

New Ruspert is a combination of the Zinc Nickel alloy plating and non-chrome coating system which realize its superior anti-corrosion performance. With the Ruspert specialty of tough and elaborated film structure, the coating has been reborn as an environmental friendly waterborne system.

## Features

### 01 Waterborne system

Using water as a solvent.  
Substantially reduce VOC emissions.

### 02 Chromium-free

Free from the hazardous chromium compound completely.

### 03 Electrolytic corrosion resistance

Reducing dissimilar metal contact corrosion apparently between the products and aluminum board or plated steel board.

### 04 Color variation

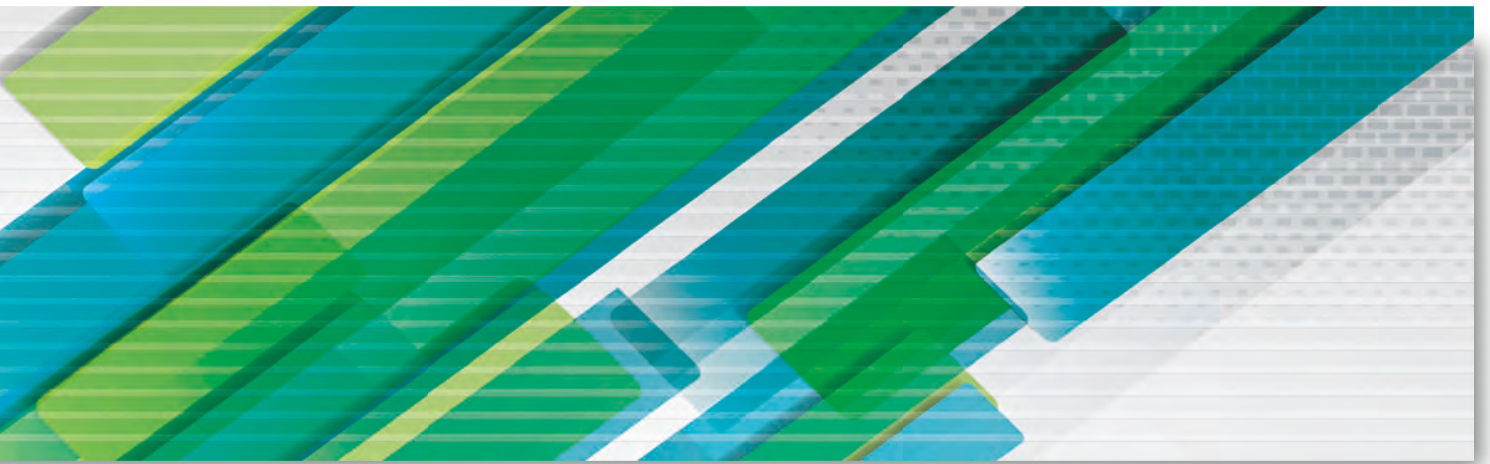
The basic color is silver and please contact us for color variety request.

### 05 Stability of anti-corrosion performance

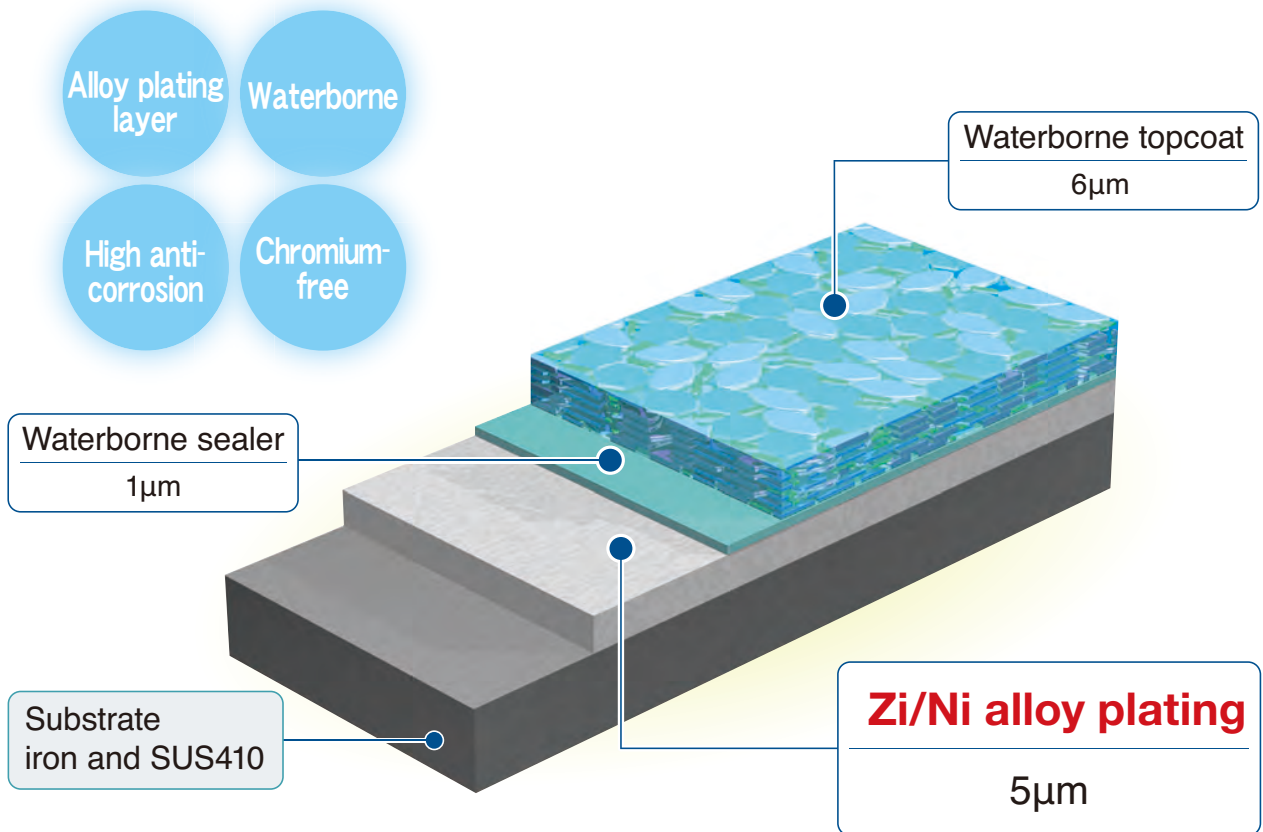
Zn/Ni alloy plating and waterborne top coat combined by the waterborne sealer which can improve and ensure the stability of the whole anti-corrosion performance.

### 06 Superior corrosion resistance performance

Salt spray test (JIS Z 2371)  
2000 Hours No red rust occurred  
Combined cycle test (JASO M 609-91)  
200cycles No red rust occurred



## Coating structure and the corrosion prevention mechanism



## Standard treatment process (Dip-spin method)



\*Spray coating (1coating) is available depending on the profile of products.

## Coating performance

**Salt spary test(JIS Z 2371)  
2000 Hours(No red rust occurred)**

Before test



After test



**Combined cycle test(JASO M609-91)  
200 Cycles(No red rust occurred)**

Before test



After test



**Hardness(Pencil scratch test)  
4H(Destruction)**

Remarks : The experimental data above are the results of tests but the performance may have deviation when used in different conditions.



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