



DISGO[®] LUNA

On the basis of hot dip galvanizing

Barrier coating



Elegant
appearance

Gas
resistance

Silver
coating

Environmental-friendly

Completely Chrome-Free



Nihon Ruspert Co., Ltd.



JQA-QMA13679
JQA-EM6160



CM009



DISGO® LUNA

DISGO LUNA is an anti-corrosion treatment technology with the synergistic effect of hot-dip galvanizing and special chemical film to realize a better gas resistance and the long-term elegant appearance of the products.



Features

01 Chrome-free

Coating without hexavalent chromium.

02 Superior corrosion resistance

The synergistic effect of metallic zinc layer (hot-dip galvanizing film) and composite coating film can realize the high-grade corrosion resistance even under the outdoor and other harsh conditions.

03 Gas resistance

Upgrading the hot-dip galvanizing resistance to sulfur dioxide gas and chemicals.

04 Weather resistance (avoiding discoloration)

Superior weather resistance can make the film maintain long-term elegant appearance.

05 Scratch resistance

LUNA can reduce the scratches on screwing due to its high edge cover performance and thick film of hot-dip galvanizing layer.

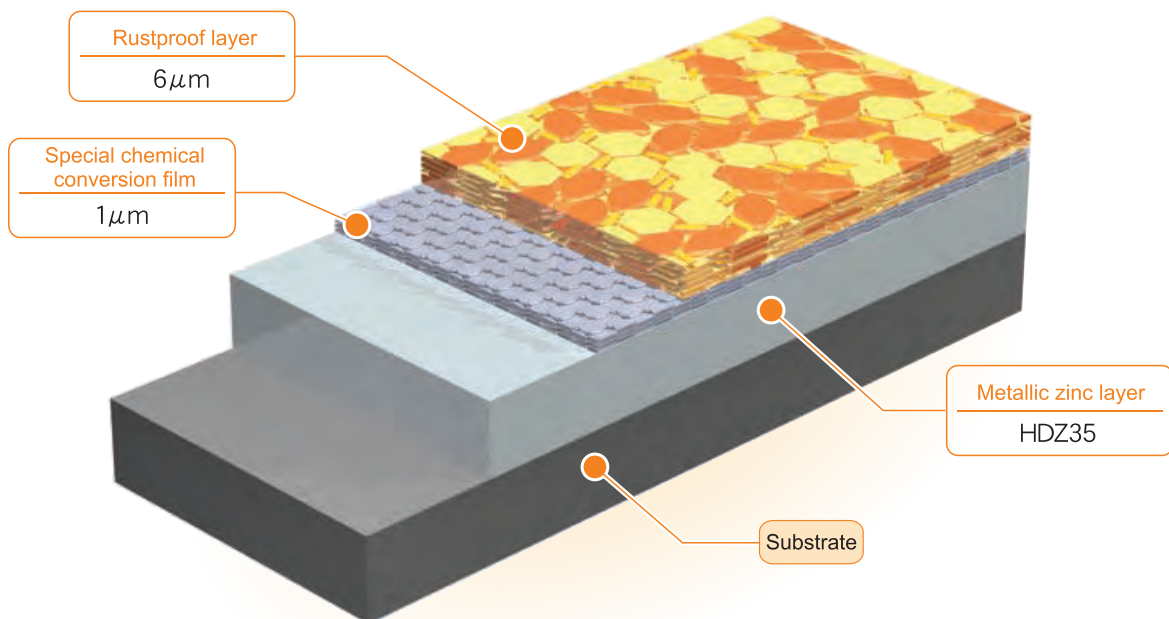
06 Reducing electrolytic corrosion

LUNA can significantly reduce the electrolytic corrosion of the products which are contacted to the aluminum or galvanized plate.



Coating structure and the corrosion prevention mechanism

Coating film with superior anti-corrosion resistance can protect the substrate from the invasion of corrosion factors. Meanwhile the film of hot-dip galvanizing sacrifices itself to improve the anti-corrosion performance.



Standard treatment process(Dip-spin method)

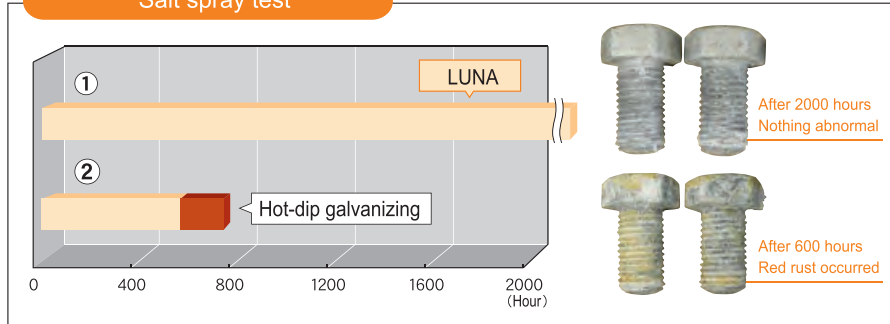


※Dip&spray or spray is also available depending on the profile of the products.

Coating Performance

■ No red rust occurred
 ■ Red rust occurred

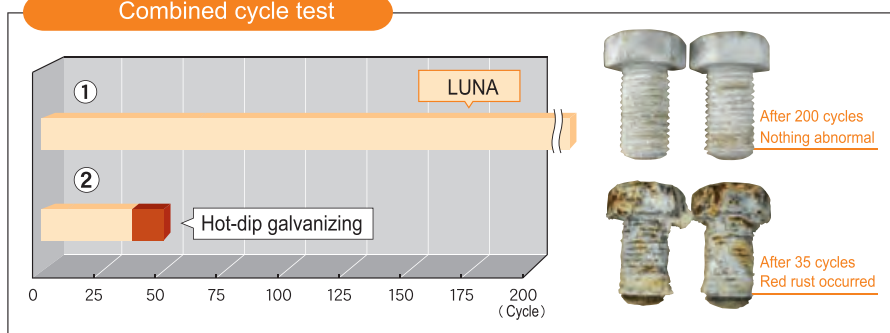
Salt spray test



► JIS Z 2371

Spraying with 5% salt water at 35°C

Combined cycle test



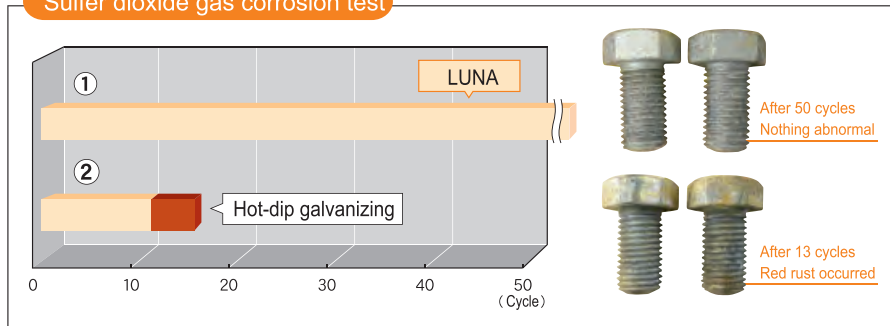
► JASO M609-91

One cycle contains 3 steps
 Salt spraying 2 Hours
 (5% salt water, 35°C)

Baking 4 Hours
 (60°C 20~30%RH)

Humidity 2 Hours
 (50°C above 95%RH)

Sulfur dioxide gas corrosion test



► DIN50018(SO₂ 0.2 l)

One cycle contains 2 steps
 Humidity 100% 8 Hours
 (Heating 40°C±3)

Humidity 75% 16 Hours
 (Cooling 18°C~28°C)

**Compared with hot-dip galvanizing, LUNA has better anti-corrosion performance and elegant appearance.
 The performance of LUNA is better than HDZ55.**

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



Nihon Ruspert Co., Ltd.

Head Office: 18-3, Shin-minato Machi, Kishiwada City, Osaka, 596-0012 Japan.

Osaka Office: 3-15-5, Yasuda, Tsurumi-ku, Osaka City, Osaka, 538-0032 Japan.

【Contact Us】

Free Dial 0120-020-308 (Only in Japan)

TEL +81-72-432-8711

FAX +81-72-432-2860

E-mail sales@ruspert.co.jp

URL <http://www.ruspert.co.jp>



<http://www.ruspert.co.jp>