

LAFRE®

Trademark registered

Extremely Thin, Superior Anti-corrosion

Alloy Coating





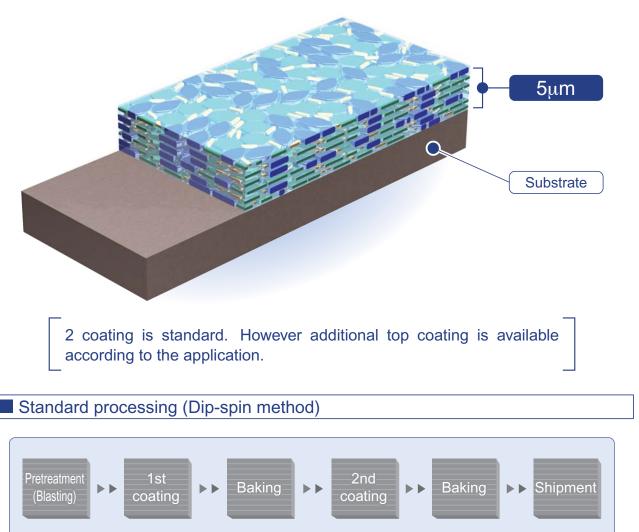






Coating structure and the corrosion prevention mechanism

The substrate is protected from corrosion by an inorganic coating with excellent adhesion including three kinds of metals of zinc, tin and aluminum, like as alloy coating.



* 2 coat are processed with same coating material

* Available spray coating(1 coat) depending on the substrate configuration.



LAFRE[®] is the world first innovative rustpoof finishing technology developed by putting together our technologies that we have cultivated over 40 years, where the basic concept is environment-friendly and high-grade anti-corrosion performance with extremely thin coating.



Features

01 Environment-friendly

Free from RoHS directive 6 hazardous substances such as lead, cadmium and mercury including hexavalent chromium and trivalent chromium.

03 Low temperature processing

The baking temperature at 200°C protects the products from metallographic changes. Energy consumption is reduced by the low temperature processing, contributing to prevent greenhouse effect.

05 Physical properties of the coating

Scratches or loss of the coating at tightening of bolts or drilling of screws is prevented thanks to high coating hardness and excellent adhesion.

02 Extremely thin film, Superior Anti-corrosion

coating thickness of $5\mu m$ withstands SST 2000 hours.

Stable tightening torque for bolts, etc. is ensured thanks to uniform and smooth coating. Free from paint stuffing even on complicated substrate.

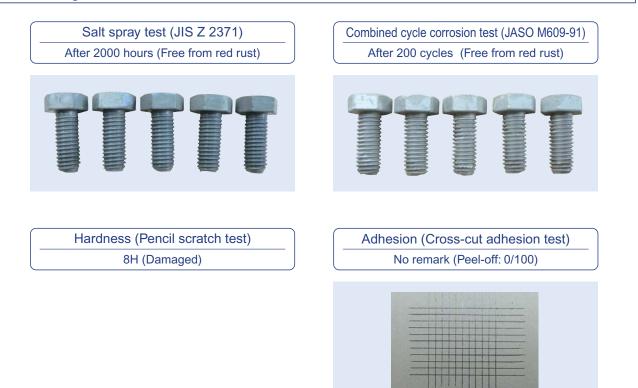
04 Free from hydrogen embrittlement

Pickling and electrolytic processes are not necessary, which makes it invulnerable to delayed fracture of hydrogen embrittlement.

06 Additional top coating

Excellent overcoating adhesion allows usage for coloring purpose or primary coating for electro deposition. (Refer to the pictures on the last page.)

Coating Performance



Examples of additional topcoat	
[Coloring]	[Electro deposition]
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