



SILVER
ZINC FLAKES

LAFRE®



- ▶ EXTREMELY THIN FILM
- ▶ HIGH CORROSION RESISTANCE
- ▶ ALLOY COATING
- ▶ COATING THICKNESS: 5 μm
- ▶ BAKING AT 250°C
- ▶ SST 2000 HOURS
- ▶ CCT 200 CYCLES



GLOMAX IS ENGAGED IN RESEARCH
FOR AN ENVIRONMENTAL-FRIENDLY CHEMISTRY

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CHEMICAL PERFORMANCE



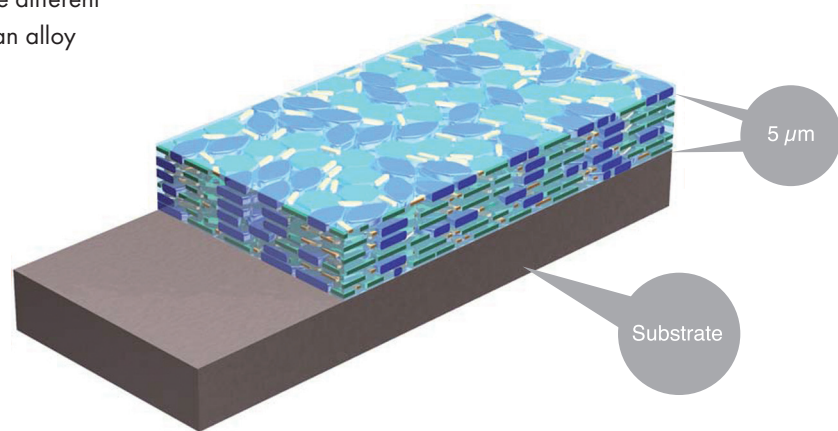
LAFRE®

LAFRE is the world first innovative anti-rust finishing technology in the world, developed by combining our technologies, cultivated for over 40 years, where the basic concept is eco-friendly and high-level anti-corrosion performance with extremely thin coating.

► COATING STRUCTURE AND CORROSION PREVENTION MECHANISM

The substrate is protected against corrosion by an inorganic coating with an excellent adhesion, created by three different types of metal flakes: zinc, aluminum and tin, as in an alloy coating. The product requires two applications; each one followed by a baking.

A top coat can subsequently be applied following the process indications.



► FEATURES

Environmental Friendly

Free from dangerous or carcinogenic substances such as lead, cadmium, mercury, hexavalent and trivalent chromium.

Extremely thin film and superior corrosion resistance

Coating thickness of 5 µm withstands SST 2000 hours. Stable tightening torque for bolts and other particulars is ensured thanks to uniform and smooth coating. Free from paint stuffing even on complicated substrate.

Low baking temperature

The baking temperature at 250°C preserves the ferrous products from metallographic changes. Energy consumption is reduced by the low temperature processing, contributing to decrease in the greenhouse effect.

Free from hydrogen embrittlement

Pickling and electrochemical processes are not necessary, so the breakages caused by hydrogen embrittlement are avoided.

Physical properties of the coating

Thanks to the high hardness and the excellent adhesion of the coating, it is possible to avoid scratches or loss of coating after having tightened bolts or tightened screws.

Additional Top-coats

Lafre allows an excellent adhesion of colored top-coat and powder coatings, furthermore it facilitates the connection between rubber and metal (silent block).



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