



LAFRE

NIHON RUSPERT CO., LTD.

Extremely thin film

Superior anti corrosion

Top quality metal surface treatments

Customers expect the surface treatment technology that improves corrosion prevention without hydrogen embrittlement to continuously evolve.

Unique technology

“Lafre” was developed as a surface treatment having unique features to meet a variety of customer needs. Aiming at combining extremely thin film and superior anti-corrosion, “Lafre” achieves an outstanding anti-corrosion performance by combining three types of metal flakes, as well as uniform coating. It allows nuts and bolts to fit smoothly without over tapping which enables total cost reduction

In addition to the current technology and convention, Lafre have dramatically improved the anti corrosion performance due to the ionization properties of alloying tin and aluminium together. By combining the three types of metals (zinc aluminium and tin) at the optimum ratios, and by using an inorganic silica resin to bind together these metals, the resultant coating forms a strong film not seen before with conventional systems.

Lafre LM can be overcoated by a number of top coat systems to give a black finish Lafre BK



Extremely thin coating (5µm)

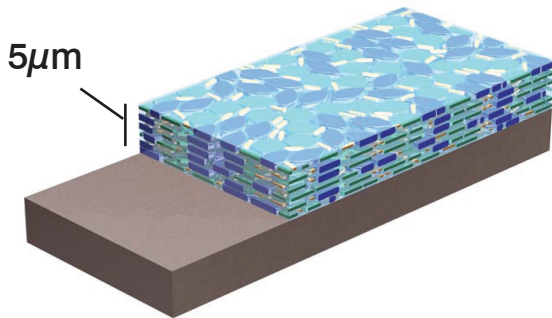
Extremely thin film of 5 µm can be achieved in 2 coats. Flat smooth films with excellent throwing power are formed by the combination of three types of ultra fine metal flakes and laminating number of layers .

Torque tension values.

As applied Lafre LM has a co-efficient of friction value of 0.16 -0.18. this can be modified with the addition of a torque modifying topcoat to match the required specification.

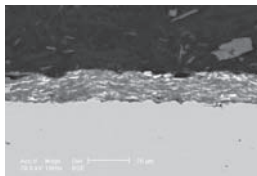
Superior anti-corrosion.

The most significant feature is the superior anti-corrosion coupled with a thin film build
Salt Spray test ASTM B117 for 2000hrs or more hours (M10) is achievable with two coat via dip spin or one coat via spray or dip drain.
Combined cyclic corrosion test of more than 200 cycles

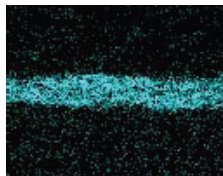


SEM photo of a coating section

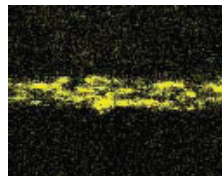
* Observed using a scanning electron microscope



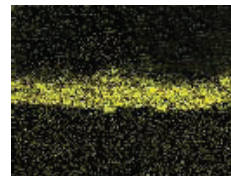
Cross section of the LAFRE coating



Zn



Al



Sn

* Three types of fine metal flakes are dispersed in a good balance.

Coatings available from WEP Ltd

Wood Lane, Fordhouses, Wolverhampton WV10 8HN
tel: 01902 397300 fax: 01902 785372
enquiries@anochrome-group.co.uk
www.anochrome.co.uk



Anochrome Group

Coatings available from Anocote Limited

Czech Republic branch o.s.
Areál CKD c.p. 626 PO Box 61
50101 Hradec Králové Czech Republic
Email: sales@anocote.cz
Tel: +420 495 221 331 Fax: +420 495 221 334