"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.