



Modern Plating Corporation

Zinc - PLUS³

High Performance TRIVALENT
Clear & Black Finishes

High Performance Trivalent Finishes

Modern Plating's research has developed **Zinc-PLUS³** to meet the needs of those customers requiring the high performance of Modern's popular **Zinc-PLUS** finish but in a **trivalent** version. All drive characteristics of our hexavalent **Zinc-PLUS** finish have been maintained in the new trivalent **Zinc-PLUS³** finishes.

Zinc-PLUS³ eliminates the use of hexavalent chromates which have been used for many years to provide high levels of corrosion resistance. Hexavalent chromates are now being banned in many industries because they have been proven to be carcinogenic.

Zinc-PLUS³ clear will surpass 300 hours to the first sign of white corrosion in neutral salt spray testing and 1,000 hours to the first sign of red corrosion.

Zinc-PLUS³ black will also surpass 240 hours to the first sign of white corrosion in neutral salt spray testing and over 500 hours to the first sign of red corrosion.

Zinc-PLUS³ meets the demanding specifications of high gloss finish, good elasticity and minimal recess fill. This permits it to be used on a wide variety of part configurations. **Zinc-PLUS³** offers significant cost savings when compared to other finishes offering this level of corrosion resistance. It meets all the adhesion requirements of the ASTM B-571 standard and has passed the climatic/cyclical testing of GM 9540P.

Salt spray testing provides a controlled corrosive environment and is used to provide relative corrosion resistance comparisons of various finishes. Salt spray testing does not, by itself, provide an accurate prediction of how the finish will actually perform in real world applications. Salt spray testing results should therefore not be used to predict actual finish performance. Testing in the application must be conducted to confirm actual performance. Variability of results can occur when similar parts are tested in different salt spray chambers even though the testing conditions are nominally similar and within the ranges specified for such tests.

Now
available in
BLACK!



Zinc-PLUS³ provides a bright silver or black trivalent finish that offers high corrosion resistance.

Salt spray performance:

Zinc-PLUS³ clear

White: 300 hours ♦ Red: 1,000 hours

Zinc-PLUS³ black

White: 240 hours ♦ Red: 500 hours

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