



CermaKrome™

Salt Spray Report

An Independent test was performed comparing Tech Line's CermaKrome to another major manufacturer's similar product. Both coatings were applied using the same procedures. In the past, salt Spray tests for metallic Ceramic coatings have been terminated at 5000 hrs. CermaKrome has passed this test at 5000 hrs several times. In this case the company interested in the results decided to run the test until failure. The photo's on the right show each coating at 1000, 2000, 4000 and 6524 hrs.

Salt Spray testing was done to ASTM B 117 standards. This consists of a continuous spray of salt water at a 5% concentration. The water is heated to 100f. The test coupons are cold rolled steel and have had a line scratched through the coating to bare metal. The coated test coupons are evaluated periodically to see if any rust is penetrating the coating, developing in the scratched area or is creeping in from the exposed edges of the test coupons. Red rust is the culprit and is evident in the photo's as a brown/red stain. The white areas on the coupons are areas of the surface that oxidized. This is typical for an aluminum filled coatings such as these and is not an area of concern. Red rust is the problem, as any significant amount indicates a failure of the coating to protect the substrate.

PRODUCT DESCRIPTION:

MCX "CermaKrome" is a metallic ceramic coating capable of providing extremely high levels of corrosion and chemical protection in very thin films. When applied to exhaust systems MCX will withstand substrate temperatures of over 1300f. In addition direct flame will not cause delamination, as long as substrate temperatures do not exceed this temperature. MCX will handle environmental temperatures of up to 1600f. Due to its unique ceramic nature, the coating also functions as a very effective thermal barrier, with reduced thermal radiation characteristics. Requires a 500F cure, with maximum hardness achieved with a 650F cure. After curing the coating requires "burnishing" to be sealed. This burnishing process can produce a very high luster, near chrome appearance. The coating cures out to a very hard surface with excellent adhesion. The water based solvent system provides for a bake/cure cycle that is not as hazardous as other thermally cured resin systems. MCX can be applied to all metals except Magnesium.

Qualified to Ford Motor Co. Specification WSA-M2P170-A3

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www.techlinecoatings.com

Brand X

CermaKrome



1000 hr

**E
X
C
E
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L
E
N
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**E
X
C
E
L
L
E
N
T**



2000 hr

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**E
X
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L
L
E
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4000 hr

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6524 hrs

**F
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E
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**E
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L
E
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