



(Improved Sherardizing Vapor Deposition)

Sample Work Handling Report				
Customer:	DISTEK NA	Date:	2011/07/05	
Process:	SST DIN EN ISO 9227	Report No.:		
Author:	L. Plate	T-No./Sample No.:	С	
втт:	F&S			

This report contains the corrosion results of a steel Q panel coated with ArmorGalv® thermal diffusion and Black Topcoat after being subjected to the BMW DYCO system with rock cannon and then subjected to salt spray testing per SST DIN EN ISO 9227

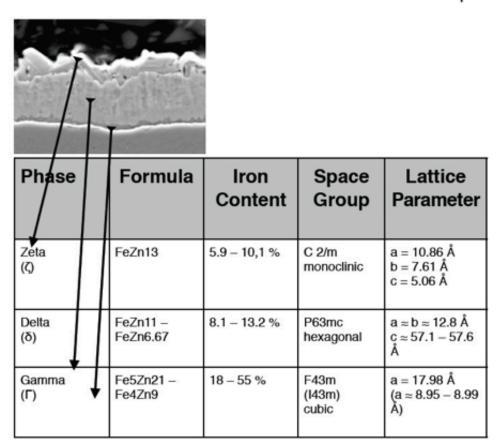
Environmentally FriendlyThermal Diffusion Galvanizing Process



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This report contains the corrosion results of a steel "Q" Panel coated with **ARMOR***GALV*® thermal diffusion and a Black Organic Topcoat after being subjected to the **BMW DYCO** test system, whereby rocks are "shot" at the panel from a cannon at 100 kilometers per hour and then subjected to salt spray testing per SST DIN EN 9227. This simulates what will happen to undercarriage parts that are subjected to ongoing contact with road debris during use.

BASECOAT: Armor Galv® Thermal Diffusion 25µ:



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2. TIE-COAT: ARMORGALV® Cr (reach compliant)

3. TOPCOAT: ARMORGALV® BLACK SL

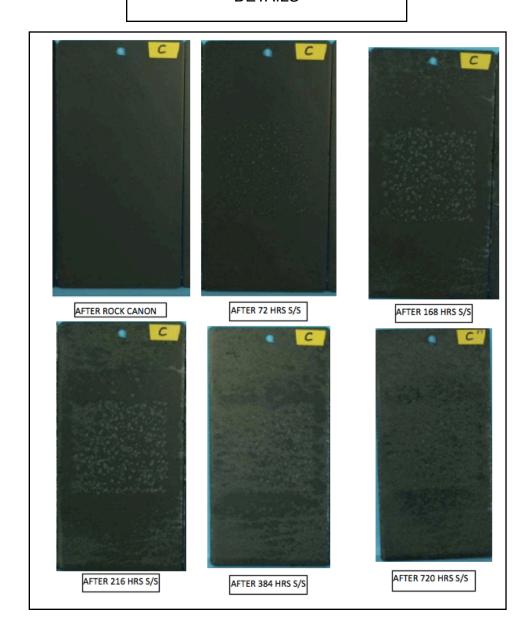
TEST RESULTS

FIRST WHITE RUST	RED RUST SPARKLES	TEST END @ 1008 HRS
168 HOURS	NONE	SOME WHITE RUST ONLY

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PHOTO DOCUMENTATION DETAILS



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The salt spray testing was stopped at 1,008 hours with no signs of red rust.

If you refer to the above structure of the **ArmorGalv®** coating at the beginning of this report it will explain why the **ArmorGalv®** coating resisted the impact of the DYCO BMW CANON TEST so well. The Gamma and Delta phases have become integrated with the steel surface by inter-diffusion and can not be easily physically removed from the original substrate.

Therefore this coating system seems very well suited for areas of a vehicle that will be impacted by road debris.