



EXOCOAT AC Corrosion Test

Performance data of EXOCOAT® AC under corrosive stress

Product in test:	EXOCOAT® AC (60% in isopropyl alcohol)
Description:	EXOCOAT® AC may be used as: 1 component force cure (120°C for 30 mins) sol-gel based system 2 component room temperature cure sol-gel based system mixed with (3-Aminopropyl)triethoxysilane (APTES) for direct to metal (iron alloy, galvanized steel, phosphated steel, stainless steel and aluminium).
Testing and Evaluations:	Substrates used for testing: Galvanized Steel (GI)
Application:	Spray

Results

Test	Method	Result
Cure	Forced	120°C for 30 mins
Dry film thickness	ASTM D 1186	15 micron
Cross cut Adhesion	ASTM D3359	5B
Flexibility	ASTM E290	0T
Taber Abrasion @CS 17, 1000 cycles (900 grams)	ASTM D 4060	25-30 mg weight loss
Salt Spray Test	ASTM B 117	Passes more than 1000 hrs
Cyclic Corrosion Test	SAE J 2334	Passes more than 2000 hrs



The information presented herein is true and accurate to the best of our knowledge, but without any guarantee unless explicitly given. Since the conditions of use are beyond our control, we disclaim any liability, including for patent infringement, incurred in connection with the use of these products, data or suggestions.

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Photos: salt spray ASTM B117



Type Galvanised steel
Duration 48hr exposure



GI steel coated with EXOCOAT AC
1000hr exposure

Photos: water immersion test



Type Galvanised steel
Duration 96hr exposure



GI steel coated with EXOCOAT AC
2000hr exposure



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