

CURRENT STANDARDS AND TEST PROCEDURES - DOERKEN COATINGS NORTH AMERICA

Description: The following laboratory testing services are provided at the Doerken Coatings North American Technical Center (NATC) to evaluate the performance characteristics of coated ferrous and non-ferrous components which are used primarily in vehicle assemblies and structures.

Corrosion Testing		
Test Description	Test Method	Equipment
Neutral Salt Spray (with pre-tempering)	ASTM B117, ISO 9227	Q-Fog SSP-1100, Q-Fog CCT-1100
	VDA 235-104 (Daimler, VW, BMW)	Q-Fog SSP-1100, Q-Fog CCT-1100
Cyclical Corrosion	CETP-00.00-L-467 (Ford L-467)	Q-Fog CRH-1100
	GMW14872 (GM)	Auto Technology Model CCT-NC-40
	SAE J2334 (FCA)	Auto Technology Model CCT-NC-40
	TSH1555G (Toyota)	Auto Technology Model CCT-NC-40
Humidity (Fog)	ASTM D1735	Auto Technology Model 22
Coating Thickness Testing		
Test Description	Test Method	Equipment
Magnetic Induction	ASTM B499	Fischerscope MMS-PC2
		Fischerscope Dualscope FMP40
Eddy Current	ASTM E376	Fischerscope MMS-PC2
		Fischerscope Dualscope FMP40
X-Ray Fluorescence	ASTM B568	Fischer XDV-T7-SD
Torque / Friction Testing		
Test Description	Test Method	Equipment
Filament Tape	ISO 10683	Scotch 610 Cellophane Tape
Scribe / Tape	ASTM D3359	Gardco PA-2052 Blade and Scribe Tool
	ISO 2409	Gardco PA-2052 Blade and Scribe Tool
Scribe / Humidity / Tape	GMW14729 / GMW14829	Gardco PA-2052 Blade and Scribe Tool /
		Auto Technology Model 22
Thread Inspection Testing		
Test Description	Test Method	Equipment
GO / NO GO Gauging	ASME B1.2	Ring and Plug Gauges (Metric / Imperial)
Functional Diameter	ASME B1.3 (System 22)	Johnson Gauge