

# A-Coat Performance

## Autophoretic® Performance Comparison

TEST	A COAT - AUTOPHORETIC® 800 SERIES	E COAT - *ELECTROCOAT
RESIN TYPE	PVDC	EPOXY
FILM THICKNESS (MILS)	0.5 - 1.0	0.6 - 1.0
CROSS HATCH ADHESION	NO FAILURE	NO FAILURE
GLOSS @ 60°	5-10	30-60
PENCIL HARDNESS	4-7H	H-3H
REVERSE IMPACT	120- 160 IN-LBS. (0.5-0.7MILS)	40 - 80 IN-LBS.
MANDREL TEST (GM9503P)	10	2
STONE CHIP (-30° C)	PASS	PASS
HUMIDITY (1,000 HOURS)	NO FAILURE	NO FAILURE
WATER IMMERSION (240 HOURS)	PASS	PASS
GM 9540P SCRIBE (3MM MAXIMUM CREEP)	40 cycles	32 - 40 cycles
SAE J2334 SCRIBE (3MM MAXIMUM CREEP)	40 cycles	40 cycles
NEUTRAL SALT SPRAY NO SCRIBE (<10% RUST)	>1000 HOURS	>1000 HOURS
TEMPERATURE RESISTANCE	<250°F **	425°F
CURE TEMPERATURE	220°F	325 - 375°F
VOC (EPA REFERENCE METHOD 24)	NONE DETECTED	<0.6 lbs/gal

