

COATING PERFORMANCE CHARACTERISTICS

	POWDER COAT				HIGH SOLIDS	
	<i>SCE STANDARD</i>	<i>FOR REFERENCE ONLY</i>				
	Polyester TGIC	Urethane	Hybrid	Epoxy	Monobake	Permaclad
Pencil Hardness	2H - 3H	H - 2H	H - 2H	3H - 5H	H - 2H	H - 2H
Stain Resistance	EXCELLENT	GOOD	GOOD	EXCELLENT	GOOD	GOOD
Adhesion to C.R.S.	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	GOOD	EXCELLENT
Mar Resistance	EXCELLENT	GOOD	GOOD	EXCELLENT	GOOD	EXCELLENT
Chip Resistance	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	GOOD	EXCELLENT
Flexibility	PASS 1/8"	PASS 1/8"	PASS 1/8"	PASS 1/8"	PASS 1/8"	PASS 1/8"
Direct Impact	60-160 IN-LBS	60-160 IN-LBS	60-160 IN-LBS	60-160 IN-LBS	60-160 IN-LBS	60-160 IN-LBS
Salt Spray	>800 HRS	>600 HRS	>600 HRS	>800 HRS	>600 HRS	>600 HRS
UV Resistance	EXCELLENT	EXCELLENT	POOR	POOR	POOR	EXCELLENT
Heat Resistance	300°F	250°F	250°F	300°F	250°F	250°F
Humidity	>1200 HRS	>1000 HRS	>1000 HRS	>1200 HRS	>1000 HRS	>1000 HRS
Solvent Resistance	GOOD	GOOD	GOOD	EXCELLENT	GOOD	GOOD
MEK	LITTLE EFFECT	DULLS GLOSS	DULLS GLOSS	NO EFFECT	DULLS GLOSS	DULLS GLOSS
Xylene	NO EFFECT	NO EFFECT	NO EFFECT	NO EFFECT	LITTLE EFFECT	NO EFFECT

Automotive Fluid Resistance 16 Hour Immersion

Gasohol	NO EFFECT	SWELLS	LITTLE EFFECT	NO EFFECT	LITTLE EFFECT	NO EFFECT
Brake Fluid	DULLS GLOSS	BLISTERS	BLISTERS	DULLS GLOSS	BLISTERS	DULLS GLOSS
Antifreeze	NO EFFECT	NO EFFECT	NO EFFECT	NO EFFECT	NO EFFECT	NO EFFECT
Motor Oil	NO EFFECT	SWELLS	NO EFFECT	NO EFFECT	NO EFFECT	NO EFFECT

Environmental Benefits of Using Powder Coat Products

Solvent-free coatings enable us to comply with changing environmental regulation by dramatically reducing emissions that occur when using solvent-based coatings, while at the same time providing a more dependable and durable product.