## TREATMENTS AND COATINGS FOR METAL SUBSTRATES

COMPARATIVE PROPERTIES AND PERFORMANCE CHART-COIL COATING TOPCOATS

		Á	GENERIC COATING TYPE (TOPCOAT ONLY)							
Physical and Resistance Properties	ASTM Method	Lumiflon (FEVE)	Solution Acrylic	Polye Interior use Only		Silicone Polyester	Poly(vinylidene) Fluoride (PVDF)	Acrylic Latex	Polyurethane	
Impact Resistance	D2794	4	2	3-5	3	4	4	3	4	
Mar Resistance	D3363, D2197	4	4	4	4	3	3	3	3	
Metal Marking Resistance	No Method	4	4	4	4	3	3	4	3	
Resistance to Pressure Mottling in Coil	D3003	4	4	4	4	3	3	3	3	
Solvent (MEK) Resistance	D5402	4	4	3-5	5	3	3	4	3	
Grease & Oil Resistance	D5402, D1308	4	3	3-5	4	4	4	3	3	
Stain Resistance	No Method	3-4	4	3-5	4	4	4	3	3	
Resistance to Acidic/ Caustic Conditions	D2248, D1308	4	3	3-4	3	4	4	4	3	
Resistance to Water Immersion	D870	4	4	4	4	4	4	2	3	
Humidity Resistance	D1735, D2247, D4585, G60	4	4	4	4	4	4	2	4	
Abrasion Resistance	D4060, D968	4	3	3-5	3	4	4	3	3	
Resistance to Industrial Pollution	D1308, G87	4	3	3	3	4	4	3	3	
Corrosion Resistance (Salt Spray)	B117, G85	3	3	4	4	3	3	3	4	
Flexibility/Drawability	D2794, D3281, D4145, D522, D4146	4	2	3-5	3	4	4	3	4	
Dry Heat Resistance	No Method	4	3	4	4	4	4	4	5	

Weathering Properties	ASTM Method	Lumiflon (FEVE)	Solution Acrylic	Polyo Interior use Only	ester Exterior Use	Silicone Polyester	Poly(vinylidene) Fluoride (PVDF)	Acrylic Latex	Polyurethane
Gloss Retention 5 yrs. Florida, 45° South	D523	5			2-3		5		
Chalk 5 yrs Florida, 45° South	D4214, D659	5			2-3		5		
Color Retention 5 yrs. Florida, 45° South	D822, G23, G26, G53	5			2-3		5		