

Coatings Comparison Table

ELECTROCOAT

POWDER

LIQUID

No		Anodic Acrylic	Anodic Epoxy	Cathodic Acrylic	Cathodic Epoxy	TGIC	Polyester	Hybrid	Solvent	Waterbase	High Solids
Plastic No	Substrates	Acryllo	ролу	Acryllo	<u> гроху</u>	10.0	i olycoloi	ysu	CONTON	Trato: bacc	Condo
Plastic No	Wood	No	No	No	No	Limited	Limited	Limited	Yes	Yes	Yes
Aluminum Yes Yes Yes Yes Yes Yes Yes Yes Pes Are Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye	Plastic	No		-	-			Limited		Yes	
Ferrous Brass and Nickel Yes	Aluminum	-	-	-	-					Yes	
Performance Hardness Adhesion Fair Good Corrosion Resistance UV Resistance Good Transfer Efficiency Film Uniformity Mit Pickness O4-2.0 O4-2.1 O4-2.1 Cavity Area Coverage Excellent Excel											
Hardness 2-3 2-3 4 4 4 Excellent Adhesion Excellent Exce											
Hardness 2-3 2-3 4 4 4 Excellent Adhesion Excellent Exce	Parformanca										
Adhesion Excellent Edge coverage UV Resistance UV Resistance UV Resistance Excellent Excelle		2.2	2.2	4	4	บวบ	LI 2LI	п эп			
Excellent Exce		-	-	·	-				Evcellent	Evcellent	Evcellent
Corrosion Resistance UV Resistance Good Transfer Efficiency Excellent Film Uniformity Excellent											
UV Resistance	u u										
Transfer Efficiency Film Uniformity Excellent Excellent Fair Mil thickness 0.4-2.0 0.4-2.1 0.4-2.2 0.4-2.3 Cavity Area Coverage Warp Warp Good Sag Resistance Secellent Secellen		-									
Film Uniformity Excellent											
Mil thickness	,								-	_	-
Cavity Area Coverage Wrap Excellent	,								-	_	-
Wrap Sag Resistance Excellent Exce											
Sag Resistance Gloss Gloss Gloss Gloss Dry-off Required Cove Excellent Booth Exhaust Rate Booth Exhaust Rate Booth Exhaust Rate Booth Exhaust Rate Coverall Operating Cost Low	,								-	_	-
Gloss Drips and Run Risk Excellent Low	·								•		-
Drips and Run Risk Low Low Low Low Low Low Low Lo	· ·										
Operating Cost Dry-Off Required Dry-Off Required Cure Temperature Oven Exhaust Rate Booth Exhaust Rate Low											
Dry-Off Required Cure Temperature Moderate Cure Temperature Moderate Mode	Drips and Run Risk	LOW	LOW	LOW	LOW	LOW	LOW	LOW	піgп	піgп	підіі
Cure Temperature Oven Exhaust Rate Booth Exhaust Rate Low	Operating Cost										
Oven Exhaust Rate Booth Exhaust Rate Booth Exhaust Rate Booth Exhaust Rate Low Low Low Low Moderate Booth Exhaust Rate Low	Dry-Off Required	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes
Booth Exhaust Rate Total Energy Cost Low	Cure Temperature	Low	Low	High	High	High	High	High	Low	Moderate	High
Total Energy Cost Labor Labor Applied Coating Cost Overall Operating Cost * if pollution control required Environmental Wastewater (paint) VOC's & HAPS Solid Waste Operational Quick Color Change High Low	Oven Exhaust Rate	High	High	High	High	Low	Low	Low	Moderate	Moderate	Moderate
Labor	Booth Exhaust Rate	Low	Low	Low	Low	None	None	None	High	High	High
Applied Coating Cost Overall Operating Cost Low	Total Energy Cost	Low	Low	Moderate	Moderate	Moderate	Moderate	Moderate	Low	High	High
Overall Operating Cost Low Low Low Low Moderate Moderate Moderate Moderate High High Moderate Low-High* Low Low Low Low Low Low Low Lo	Labor	Low	Low	Low	Low	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate
Capital Cost * if pollution control required Environmental Wastewater (paint) VOC's & HAPS Solid Waste Low	Applied Coating Cost	Low	Low	Low	Low	Low	Low	Low	High	Moderate	Moderate
Environmental Wastewater (paint) VOC's & HAPS Solid Waste Low	Overall Operating Cost	Low	Low	Low	Low	Moderate	Moderate	Moderate	High	High	Moderate
Environmental Wastewater (paint) VOC's & HAPS Solid Waste Low	Capital Cost	High	High	High	High	Moderate	Moderate	Moderate	I ow-High*	Low	Low
Environmental Wastewater (paint) VOC's & HAPS Solid Waste Solid Waste Low	•	9	9	·g	9	ouo.uto	ouo.uto	ouoruto		2011	20
Wastewater (paint) VOC's & HAPS Low											
VOC's & HAPS Solid Waste Low	Environmental										
Solid Waste Low Low Low Low Low Low Low Low Low Moderate Moderate Operational Quick Color Change Poor Poor Poor Hook Cleaning Freq. Contamination Risk Moderate Mod	Wastewater (paint)	Slight	Slight	Slight	Slight	None	None	None	Moderate	Low	Slight
Operational Quick Color Change Poor Hook Cleaning Freq. Poor Low Poor Low Poor Low Poor Low High High High High High Moderate Moderate Moderate Moderate High Moderate Moderate Moderate Moderate Moderate Moderate Moderate Moderate Moderate Moderate Moderate Low Low Moderate	VOC's & HAPS	Low	Low	Low	Low	None	None	None	Mod-High	Low	Moderate
Quick Color Change Poor Poor Poor Poor Low Low Low High High High High Contamination Risk Moderate Moderate Moderate Moderate Moderate Moderate Low Low Moderate Low Low Moderate	Solid Waste	Low	Low	Low	Low	Low	Low	Low	Moderate	Moderate	Moderate
Quick Color Change Poor Poor Poor Poor High High High High Hoderate Low Low Moderate Moderate Moderate Hook Cleaning Freq. Contamination Risk Moderate Low Low Moderate	Operational										
Hook Cleaning Freq. Low Low Low Low Low High High High High High Low High Moderate Moderate Moderate Moderate Moderate Moderate	'	Poor	Poor	Poor	Poor	Moderate	Moderate	Moderate	Good	Good	Egir
Contamination Risk Moderate Moderate Moderate Moderate Moderate Moderate Moderate Low Low Moderate	J										-
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Fire Hazard Low Low Low Low Low Low High Low Moderate	ĕ	•	_		•	-		_	-		
Elect. Shock Hazard Moderate M		_		-		-		_	0	_	
LIGOL. STICON FIAZAIN INJUGIALE MODERALE	LICUL SHOUN HAZAIU	Moderate	WIDUETALE	Moderate	Widuerale	iviouerate	Moderate	iviouciale	Woderate	iviouerate	WOUCHALE