

COATER APPLICATION SELECTION GUIDE

English Units

				Gravure coater		Rod coater		Squeeze Roll Coater			Knife		Specialty				Die		Contour		Hot Melt		Reverse roll				
				Gravure Direct Forward	Gravure Direct Reverse	Gravure Indirect Forward	Gravure Indirect Reverse	Single Rod	Dual Rod or Smoothing Bar	2 Roll	3 Roll	5 Roll	Flex Bar	Floating	Saturators	Meniscus	Kiss	Vacuum	Direct	Contact	Air knife	Curtain	Die	Roll	3 Roll Pan Fed	3 Roll Nip Fed	3 Roll Fountain Feed
		MAX SPEED	FPM	3280	3280	2000		1475	3280	490	985	820	985	1300	2000	3280	1300	2950	985	820	1150						
		SOLIDS	%	0.1-100	0.1-100	100		100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100				
		VISCOSITY	CPS	30-2000	30-2000	15-800		15-500	100-2000	500-50000	15-300	100-1500	15-500	SOLID	500-20,000	up to 300,000	15-500	300	50,000	500,000	200-40,000						
		COATWEIGHT	Lbs/3000 SqFt	.6 - 18.4	.6 - 18.4	15.4		7.4	3-1.8	61.4	24.6	12.3	7.4	3.7	61.4	24.6	36.8	up to 250									
		SOLIDS																									
		Application	Lbs/3000 SqFt	Viscosity CPS	100 (%)	Dry (% Solvent)	Dry (% Water)																				
ADHESIVES	Water Based	.6 - 50	50 - 1,000			20 - 70																					
	Solvent Based	1.2 - 37	200 - 3,000		25 - 50																						
	100%	.3 - 2.5	500 - 3,000	●																							
	2 Components	.3 - 2.5	1,000 - 20,000	●																							
	Gum	6 - 18	500 - 2,000			50 - 80																					
	Starch	6 - 18	50 - 2,000			25 - 40																					
	Latex	6 - 25	200 - 2,000			30 - 45																					
INKS	Hot Melt	3 - 61	1,000 - 200,000	●																							
	Pigment Color	.6 - 18	100 - 500			30 - 60																					
	Fluorescent Color	3 - 12	50 - 1,000			25 - 40																					
	UV Paint	2.5 - 7.4	500 - 5,000	●																							
	Primer Paint	.1 - 1.2	100 - 600		10 - 30	10 - 60																					
	PVDC	2.5 - 7.4	50 - 200			50 - 60																					
	Penetration Barrier	2.5 - 6	50 - 200			10 - 40																					
SILICONE	Silicone Solvent based	.2 - .6	20 - 300		6 - 25																						
	Silicone Water Based	.2 - .6	40 - 500			10 - 30																					
SPECIALTY	100 % Silicone	.3 - .9	500 - 2,000	●																							
	Carbonless (CF - CB)	1.8 - 4.3	50 - 400			15 - 40																					
	Clay	1.8 - 3.7	80 - 300			30 - 45																					
	Diatzo	1.8 - 9.2	20 - 60			25 - 50																					
	Thermal coating	1.8 - 4.9	40 - 80			30 - 50																					
	Photo Sensitive	1.8 - 6.1	20 - 400		6 - 20																						
	Receiver for Color Laser Print Paper	1.2 - 7.4	50 - 200			5 - 30																					
	Magnetic	1.8 - 6.1	1,000 - 5,000		10 - 33																						
	Wallcovering - Vinyl Dispersion	9																									
	Wax	1.8 - 12.3	20 - 200			10 - 25																					
	Thermal Transfer	1.2 - 3.1	100 - 200		30 - 50																						
	Metal			●																							

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