

# 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	40	100	100	100	0.1-100	55	50			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																								
	100 % Silicone	.3 - .9	500 - 2,000	●																										
SPECIALTY	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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