

Kodak Flexcel SRC flexographic plates

FLEXOGRAPHIC PLATES

Technical specifications

Plate thickness	2.84mm / 0.112", 3.18mm / 0.125", 3.94mm / 0.155", 4.32mm / 0.170", 4.70mm / 0.185", 5.00mm / 0.197", 5.50mm / 0.217", 6.00mm / 0.236", 6.35mm / 0.250", 7.00mm / 0.276"		
Resolution	3% to 95% @ 133 lpi		
Isolated dot reproduction	150 - 200µm		
Fine line reproduction	100µm		
Plate hardness Shore A	SRC 2.84mm / 0.112": 39	SRC 4.70mm / 0.185": 37	SRC 6.35mm / 0.250": 36
	SRC 3.18mm / 0.125": 37	SRC 5.00mm / 0.197": 36	SRC 7.00mm / 0.276": 35
	SRC 3.94mm / 0.155": 35	SRC 5.50mm / 0.217": 36	
	SRC 4.32mm / 0.170": 37	SRC 6.00mm / 0.236": 36	
Wash-out solution	Compatible with most wash-out solvents Recommended wash-out solvent temperature: 20°C - 35°C (68°F - 95°F)		
Ink compatibility	Aqueous, solvent-based, UV-cured and cationic inks		
Storage and handling	Unopened plate packs should be stored flat and away from excessive cold, heat and humidity. Use in a controlled environment of 10°C - 25°C (50°F - 77°F) and 40 - 55% RH.		

Processing steps	Times/Values				
Plate thickness	2.84mm / 0.112"	3.18mm / 0.125"	3.94mm / 0.155"	4.32mm / 0.170"	4.70mm / 0.185"
Relief depth	1.4mm / 0.055"	1.6mm / 0.063"	1.9mm / 0.075"	2.2mm / 0.087"	2.2mm / 0.087"
Back exposure time / seconds	250mj/cm ² 40 sec	400mj/cm ² 60 sec	600mj/cm ² 90 sec	800mj/cm ² 120 sec	1,000mj/cm ² 150 sec
Main exposure time / minutes	3,500mj/cm ² 8 min	3,500mj/cm ² 8 min	3,500mj/cm ² 8 min	4,000mj/cm ² 10 min	4,000mj/cm ² 10 min
Wash-out	6 min	6 min	6 min	10 min	10 min
Drying, 50°-60°C (122°-140°F)	120 min	120 min	120 min	120 min	120 min
Finishing UVC	2,500mj/cm ² 8 min	2,500mj/cm ² 8 min	2,500mj/cm ² 8 min	2,500mj/cm ² 8 min	2,500mj/cm ² 8 min
Post exposure UVA	4,000mj/cm ² 10 min	4,000mj/cm ² 10 min	4,000mj/cm ² 10 min	4,000mj/cm ² 10 min	4,500mj/cm ² 11 min
Plate thickness	5.00mm / 0.197"	5.50mm / 0.217"	6.00mm / 0.236"	6.35mm / 0.250"	7.00mm / 0.276"
Relief depth	2.3mm / 0.091"	2.3mm / 0.091"	2.5mm / 0.099"	2.5mm / 0.099"	2.7mm / 0.106"
Back exposure time / seconds	1,200mj/cm ² 180 sec	1,500mj/cm ² 230 sec	1,800mj/cm ² 270 sec	2,000mj/cm ² 300 sec	3,000mj/cm ² 450 sec
Main exposure time / minutes	4,000mj/cm ² 10 min	4,000mj/cm ² 10 min	4,000mj/cm ² 10 min	4,000mj/cm ² 10 min	4,000mj/cm ² 10 min
Wash-out	10 min	12 min	12 min	15 min	15 min
Drying, 50°-60°C (122°-140°F)	120 min	120 min	120 min	120 min	120 min
Finishing UVC	2,500mj/cm ² 8 min	2,500mj/cm ² 8 min	2,500mj/cm ² 8 min	2,500mj/cm ² 8 min	2,500mj/cm ² 8 min
Post exposure UVA	4,500mj/cm ² 11 min	5,000mj/cm ² 12 min	5,000mj/cm ² 12 min	5,000mj/cm ² 12 min	5,000mj/cm ² 12 min