Kodak Flexcel SRC
flexographic plates

Outstanding performance for all corrugated applications

Kodak Flexcel SRC flexographic plates are low-durometer photopolymer plates ideal for halftone reproduction on coarse board. The plate's surface conforms uniformly to the printing substrate, providing smooth ink laydown and consistent tonal reproduction. The tack-free plate surface facilitates increased print quality and reduced press downtime throughout the life of the plate.

Versatility

Flexcel SRC plates are designed to print on corrugated board. Because the plates are compatible with a wide variety of inks, including water-based, solvent-based, UV-cured and cationic inks, **Flexcel** SRC plates are ideal for any job.

Speed and ease of use

Flexcel SRC plates improve productivity with very fast imaging and processing speeds, a wide exposure latitude and short drying times. In addition, the extreme flexibility of the plates allows for fast and faultless mounting. High resistance to ozone, wear and abrasion and a long shelf life make **Flexcel** SRC plates ideal for repeat jobs.

Complete solution for packaging

Kodak understands that quality is important to you in every part of your printing operation. That's why we offer a full range of dependable products for package printing operations, designed to work together smoothly and provide you with consistent, high quality results.

Flexcel SRC plates join Kodak's portfolio of prepress, lithographic and proofing products for packaging. **Flexcel** plates are optimized uniquely for exposure with high-matte **Kodak Premier** recording film PR7M, and using the two together will generate reliably straight lines, deep reverses and integrity in the tonal areas.

You can enjoy the benefits of an efficient, complete system from one supplier and realize consistent results, not only from run to run, but also from location to location, anywhere in the world.

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 3.18mm / 0.125": 37 SRC 3.94mm / 0.155": 35 SRC 4.32mm / 0.170": 37 SRC 4.70mm / 0.185": 37 SRC 5.00mm / 0.197": 36 SRC 5.50mm / 0.217": 36 SRC 6.00mm / 0.236": 36 SRC 6.35mm / 0.250": 36 SRC 7.00mm / 0.276": 35
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/cm² 40 sec	400mj/cm² 60 sec	600mj/cm² 90 sec	800mj/cm² 120 sec	1,000mj/cm² 150 sec
Main exposure time / minutes	3,500mj/cm² 8 min	3,500mj/cm² 8 min	3,500mj/cm² 8 min	4,000mj/cm² 10 min	4,000mj/cm² 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/cm² 8 min	2,500mj/cm² 8 min	2,500mj/cm² 8 min	2,500mj/cm² 8 min	2,500mj/cm² 8 min
Post exposure UVA	4,000mj/cm² 10 min	4,000mj/cm² 10 min	4,500mj/cm² 11 min	4,500mj/cm² 11 min	4,500mj/cm² 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/cm² 180 sec	1,500mj/cm² 230 sec	1,800mj/cm² 270 sec	2,000mj/cm² 300 sec	3,000mj/cm² 450 sec
Main exposure time / minutes	4,000mj/cm² 10 min	4,000mj/cm² 10 min	4,000mj/cm² 10 min	4,000mj/cm² 10 min	4,000mj/cm² 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/cm² 8 min	2,500mj/cm² 8 min	2,500mj/cm² 8 min	2,500mj/cm² 8 min	2,500mj/cm² 8 min
Post exposure UVA	4,500mj/cm² 11 min	5,000mj/cm² 12 min	5,000mj/cm² 12 min	5,000mj/cm² 12 min	5,000mj/cm² 12 min

This document should be used as a guideline to producing **Kodak Flexcel** flexographic plates. Optimum exposure and development times will vary, depending on customer specific plate application and processing equipment.

To learn more about solutions from Kodak:
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Or in North America, call +1-866-563-2533

Produced using Kodak technology.

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