



Kodak Flexcel SRM flexographic plates

Print on the widest variety of substrates

Kodak Flexcel SRM flexographic plates are premium, mid-range durometer photopolymer plates designed for fine halftone line screen reproduction and solid printing requirements. The plates are ideal for high quality printing on the widest variety of substrates, from tissue to flexible film.

The print surface and hardness of Flexcel SRM plates enhance ink transfer, giving you outstanding solid coverage and clean highlights. Accurate dimensional stability and excellent gauge uniformity result in high quality package printing. Also, SRM plates combine smoothness for uniform ink transfer, resilience for high press speeds and durability for consistency throughout the press run and on reruns.

Maximum versatility

Flexcel SRM plates are designed to print on a wide variety of substrates, including flexible packaging, film, paper, plastic bags, labels, envelopes, beverage cartons and preprint. Because the plates are compatible with a wide variety of inks, including water-based, solvent-based, UV-cured and cationic inks, Flexcel SRM plates are ideal for any job.

Speed and ease of use

Flexcel SRM 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 SRM 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 SRM 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.

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FLEXOGRAPHIC PLATES

Technical specifications

Plate thickness	1.14mm / 0.045", 1.70mm / 0.067", 2.28mm / 0.090", 2.54mm / 0.100", 2.72mm / 0.107" and 2.84mm / 0.112"		
Resolution	1% to 95% @ 150 lpi		
Isolated dot reproduction	100 - 130µm		
Fine line reproduction	70 - 100µm		
Plate hardness Shore A	SRM 1.14mm / 0.045" : 70 SRM 1.70mm / 0.067" : 60 SRM 2.28mm / 0.090" : 57	SRM 2.54mm / 0.100" : 54 SRM 2.72mm / 0.107" : 53 SRM 2.84mm / 0.112" : 53	
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	1.14mm / 0.045"	1.70mm / 0.067"	2.28mm / 0.090"	2.54mm / 0.100"	2.72mm / 0.107"	2.84 mm / 0.112"
Relief depth	0.5 - 0.7mm 0.02 - 0.028"	0.6 - 1.0mm 0.024 - 0.039"	0.7 - 1.5mm 0.028 - 0.059"	0.7 - 1.5mm 0.028 - 0.059"	0.7 - 1.5mm 0.028 - 0.059"	0.7 - 1.5mm 0.028 - 0.059"
Back exposure time / seconds	100mj/cm ² 20 - 30 sec	150mj/cm ² 20 - 30 sec	480mj/cm ² 60 - 80 sec	480mj/cm ² 60 - 80 sec	640mj/cm ² 80 - 100 sec	640mj/cm ² 80 - 100 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	4,000mj/cm ² 10 min
Wash-out	3 - 6 min	3 - 6 min	3 - 6 min	3 - 6 min	3 - 6 min	3 - 6 min
Drying at 55°C	120 min	120 min	120 min	120 min	120 min	120 min
Finishing UVC	3,000mj/cm ² 10 min	3,000mj/cm ² 10 min	3,000mj/cm ² 10 min	3,000mj/cm ² 10 min	3,000mj/cm ² 10 min	3,000mj/cm ² 10 min
Post exposure UVA	3,000mj/cm ² 10 min	3,000mj/cm ² 10 min	3,000mj/cm ² 10 min	3,000mj/cm ² 10 min	3,000mj/cm ² 10 min	3,000mj/cm ² 10 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:

Visit www.kodak.com/go/packaging
Or in North America, call +1-866-563-2533

Produced using Kodak technology.

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