

Kodak Flexcel SRH

flexographic plates



Exceptional quality for challenging graphic requirements

Kodak Flexcel SRH flexographic plates are premium, high-durometer photopolymer plates that provide first-class quality on challenging jobs that have fine halftone line screen reproduction and solid printing requirements. Flexcel SRH plates provide excellent ink transfer, resulting in brilliant printing results—outstanding solid ink coverage, clean highlights and superb halftone resolution.

You can accurately reproduce the sharpest image detail, including reverse printing, with Flexcel SRH plates, which range in hardness from 59° - 73° Shore A. The unique plate surface provides smoothness for uniform ink transfer, resilience for high press speeds and expanded durability for consistency throughout the press run and on reruns.

Maximum versatility

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

Speed and ease of use

Flexcel SRH plates offer a wide exposure latitude with short drying times, necessary to meet your demanding print quality requirements and production schedules. In addition, the plates are easy to mount and are highly resistant to ozone, wear and abrasion, so you realize increased productivity and enhanced print quality.

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 packaging print operations, designed to work together smoothly and provide you with consistent, high quality results. Flexcel SRH 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 SRH flexographic plates

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", 2.84mm / 0.112"	
Resolution	1% to 95% @ 150 lpi	
Isolated dot reproduction	100 - 130µm	
Fine line reproduction	70 - 100µm	
Plate hardness Shore A	SRH 1.14mm / 0.045": 73 SRH 1.70mm / 0.067": 64 SRH 2.28mm / 0.090": 62	SRH 2.54mm / 0.100": 60 SRH 2.72mm / 0.107": 60 SRH 2.84mm / 0.112": 59
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"	2.84mm / 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 50°C - 60°C (122°F-140°F)	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:

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

Produced using Kodak technology.

Eastman Kodak Company
343 State Street
Rochester, NY 14650 USA

©Kodak, 2006. Kodak, Flexcel and Premier are trademarks of Kodak.

Subject to technical change without notice.

U.PC.O15.0806.en.01 (K-509)

