

Kodak

Flexcel NXH Plates

Kodak

Flexcel NX

Thermal Imaging Layer



Do more with less

The award-winning **Kodak Flexcel NX** System uses unique imaging technology and plate materials to drive outstanding shelf impact at the lowest total delivered cost. Users benefit from more impactful graphic reproduction with less complexity and downtime on press.

Unique technology

The **Flexcel NX** System uses two uniquely formulated materials. The **Kodak Flexcel NX** Thermal Imaging Layer is designed to provide rapid, high-resolution imaging on the **Kodak Flexcel NX** Imager, utilizing **Kodak SQUAREspot** Imaging Technology to ensure stable and predictable results. Lamination ensures intimate optical contact between the imaged layer and the **Kodak Flexcel NXH** Plate, allowing 1:1 dot reproduction onto the plate.

Exceptional quality for challenging graphic requirements

Flexcel NXH Plates are high-quality flexographic plates providing excellent ink transfer, smooth solids, uniform lay down and robust on-press performance. You can accurately reproduce the sharpest image detail, including reverse printing. 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 NXH Plates are designed to print on a wide variety of substrates, including films, foils, paper, shrink films, pressure sensitive labels, envelopes and pre-print liner. In addition, the plates are compatible with a wide variety of inks, including water-based, solvent-based, UV-cured and cationic inks.

Speed and ease of use

Flexcel NXH Plates offer 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 consistency, productivity and enhanced print quality.

Complete solution for packaging

The **Flexcel NX** System forms part of Kodak's broad portfolio of graphics workflow and printing solutions for packaging. From packaging concept to creation, no other partner brings a more complete solution to printer-converters, trade shops and the brand owners they serve than Kodak. Our strategic vision is to enable product innovation with simplified, standardized and automated production processes.

Kodak Flexcel NX Thermal Imaging Layer

Sizes	640 x 838 mm (25.2 x 33.0 in), 838 x 1097 mm (33.0 x 43.2 in), 940 x 1230 mm (37 x 48.2 in), 1097 x 1554 mm (43.2 x 61.2 in)
Thickness	6.5 mil (0.0065 in)
Safelight recommendations	Prolonged exposure should be under process yellow or UV modified fluorescent light.
Handling and storage	Handle the layer by the corners. Avoid scratching and kinking the layer. Store flat and use in a controlled environment of 17 - 30°C (63 - 86°F) and at 40 - 60% RH.
Distinguishing characteristics	For use in the manufacture of Kodak Flexcel NXH Plates 42 x 60 inches or smaller. Media color: Green

Kodak Flexcel NX Thermal Imaging Layer-R

Sizes	1097 x 1554 mm (43.2 x 61.2 in), 1283 x 2062 mm (50.5 x 81.2 in)
Thickness	6.5 mil (0.0065 in)
Safelight recommendations	Prolonged exposure should be under process yellow or UV modified fluorescent light.
Handling and storage	Handle the layer by the corners. Avoid scratching and kinking the layer. Store flat and use in a controlled environment of 17 - 30°C (63 - 86°F) and at 40 - 60% RH.
Distinguishing characteristics	For use in the manufacture of Kodak Flexcel NXH Plates 42 x 60 inches or larger. Media color: Blue

Kodak Flexcel NXH Plate

Plate sizes	610 x 762 mm (24 x 30 in), 800 x 1067 mm (31.5 x 42 in), 900 x 1200 mm (35.4 x 47.2 in), 1067 x 1524 mm (42 x 60 in), 1270 x 2032 mm (50 x 80 in)
Ink compatibility	Aqueous, solvent-based, UV-cured and EB-cured inks
Washout solution	Compatible with most washout solvents
Safelight recommendations	Prolonged exposure should be under yellow or UV-modified fluorescent light
Handling and storage	Handle the plates carefully. Store flat and use in a controlled environment of 17 - 30° C (63 - 86°F) and at 40 - 60% RH.

Technical specifications for a finished **Flexcel NXH Plate**

Thickness	1.14 mm / 0.045 in	1.70 mm / 0.067 in	2.28 mm / 0.900 in	2.54 mm / 0.100 in
	2.72 mm / 0.107 in	2.84 mm / 0.112 in		
Durometer	71 - 77 Shore A	63 - 69 Shore A	59 - 65 Shore A	58 - 64 Shore A
	57 - 63 Shore A	57 - 63 Shore A		
Resolution	0.4 - 99.6%, 300lpi @ 2400 dpi, 25 micron Kodak Staccato Screening			
Minimum dot	10 µm minimum (0.4 mil)			
Isolated dot reproduction	50 µm minimum (2 mil)			
Fine line reproduction	20 µm minimum (0.8 mil)			

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

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Subject to technical change without notice.

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