KODAK FLEXCEL NX Ultra
PLATE KIT

KODAK FLEXCEL NX Systems have transformed the capabilities of flexo printing for the entire packaging value chain for a decade with a level of consistency, on-press efficiency, and print quality previously unachievable with flexo. Today, we have a new addition to the FLEXCEL NX family. The KODAK FLEXCEL NX Ultra Solution offers these same sought-after benefits in a solvent-free, VOC-free platemaking environment that delivers an impressive press-ready plate in less than an hour.

Peak Performance.
With high-performing FLEXCEL NX Ultra Plates surpassing expectations, printers can now offer a differentiated product to brand clients with measurable productivity gains and remarkable standardization in the pressroom. Ideal for label, paperboard, and flexible packaging applications, these performance-rated plates facilitate incredibly fast job changeovers, consistent color — yes, even on long runs — and outstanding print quality. Excellent plate drape also means easy mounting. A bonus.

Unique Tech.
Thanks to our legacy-building imaging and materials technology, we continue to deliver serious competitive advantages your way. KODAK FLEXCEL NX Thermal Imaging Layer (TIL) uses unique film technology for the highest resolution image carrier in the Graphic Arts industry. Combined with a patented lamination process, you get absolute image fidelity in an exceptionally efficient platemaking process.

Looking for an unprecedented level of ink transfer control during printing? Fully compatible with Kodak's NX Advantage technology and patented Advanced Edge Definition, FLEXCEL NX Ultra Plates deliver superb quality and production efficiency benefits you can take to the bank.

Plate Kit Convenience.
Offering matched quantities of FLEXCEL NX Ultra Plates and sheets of FLEXCEL NX Thermal Imaging Layer, plate kits make ordering and inventory control ultimately simple and ever efficient.

A Complete Solution.
When you pair the FLEXCEL NX Ultra Plates and FLEXCEL NX Ultra Processing System with the industry-leading imaging capabilities of the well-established FLEXCEL NX System, it creates a powerhouse system with an optimized end-to-end digital flexo platemaking solution for happy printers everywhere.

Kodak innovation and service means putting products and customers first. By staying true to our best values, we turn the page on an exciting new chapter with FLEXCEL NX Ultra in upholding a creative standard of transforming the flexo industry for another decade to come.

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KODAK FLEXCEL NX Thermal Imaging Layer - R	
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)
Thickness	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 NXUH Plates 35 x 48 inches or smaller Media color: Blue

KODAK FLEXCEL NXUH 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)
Ink compatibility	Aqueous, solvent-based, UV-cured and EB-cured inks
Washout solution	Exclusively used with the KODAK FLEXCEL NX Ultra Processor as a complete system solution
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 NXUH Plate		
Thickness	1.14 mm / 0.045 in	1.70 mm / 0.067 in
Durometer	73-79 Shore A	65-71 Shore A
Resolution	0.4 - 99.0% 300lpi @2400 dpi, 25 micron Kodak Staccato Screening	
Minimum dot	10 µm minimum (0.4 mil)	
Isolated dot reproduction	150 µm minimum (6 mil)	
Fine line reproduction	20 µm minimum (0.8 mil)	

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