



Kodak

Flexcel NXH Plates

Kodak

Flexcel NX

Thermal Imaging Layer

Breaking the limits of flexo printing

With the **Kodak Flexcel NX System**, you can now print the same high-quality image possible with gravure directly onto a flexible pouch, box or label, overcoming many of the limitations of both analogue and existing digital flexographic plate technologies.

Gravure class print quality

The unique formulation of the **Kodak Flexcel NX Thermal Imaging Layer** provides high-resolution and fast imaging on the **Kodak Flexcel NX Imager**, while the **Kodak SQUAREspot Imaging Technology** enables consistent and repeatable dots as small as 10 microns. 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 flexible packaging, foil, film, paper, plastic bags, labels and envelopes. 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 realise increased consistency, productivity and enhanced print quality.

Complete solution for packaging

Kodak offers a full range of dependable products for packaging print operations. The **Flexcel NX System** joins Kodak's portfolio of prepress, lithographic and proofing products for packaging. You can experience the benefits of an efficient, complete system from one supplier and realise consistent results, not only from run to run, but also from location to location, anywhere in the world.

Kodak Flexcel NX Thermal Imaging Layer

Technical specifications for a Flexcel NX Thermal Imaging Layer

Sizes	640 x 838 mm, 838 x 1097 mm, 1097 x 1554 mm
Thickness	6.5 mil
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 10 - 25°C and at 40 - 60% RH.

Kodak Flexcel NXH Plate

Plate sizes	610 x 762 mm, 800 x 1067 mm, 1067 x 1524 mm
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 0 - 40°C and at 40 - 60% RH.

Technical specifications for a finished Flexcel NXH Plate

Thickness	1.14 mm	1.70 mm	2.54 mm	2.84 mm
Durometer	73° Shore A	64° Shore A	60° Shore A	59° Shore A
Resolution	0.4 - 99.6%, 300lpi @ 2400 dpi, 25 micron Kodak Staccato Screening			
Minimum dot	10µm minimum (0.4 mil)			
Isolated dot reproduction	50µm minimum (2 mil)			
Fine line reproduction	20µm minimum (0.8 mil)			

To learn more about solutions from Kodak,
Visit graphics.kodak.com

Kodak Headquarters EAMER: Geneva, Switzerland
Kodak Technical Centre EAMER: La Hulpe, Belgium
T. +32.2.352 25 11
F. +32.2.351 09 15

Produced using Kodak technology

© Kodak, 2012. Kodak, Flexcel, SQUAREspot and Staccato are trademarks of Kodak.
Subject to technical change without notice.

E.PC.865.0112.en.08



YELLOW CHANGES EVERYTHING