



FLEXCEL Prime Plates & Film

Our next generation plate kit

miraclon

Flexo transformed

The FLEXCEL NX System uses unique imaging technology and plate materials to drive unparalleled shelf impact with less complexity and higher efficiency on press.

Print performance for challenging graphic requirements

The unrivalled performance of FLEXCEL Prime Plates comes from the combination of our unique imaging technology, FLEXCEL Prime film and lamination: this powerful combination provides high-resolution imagery on the plate, with 1:1 dot replication, and stable, predictable ink transfer.

Delivering new levels of **on-press efficiency**

Maximum versatility

FLEXCEL Prime Plates are designed to print on a wide variety of substrates, supporting an array of applications within the flexible packaging, tag and label, folding carton and preprint corrugated packaging market segments.

Lift Resist Formula

FLEXCEL Prime Plates have been formulated to give excellent drape, making mounting smooth. No more over-impression, just consistent performance and better compatibility with softer tapes.

Stay Clean Technology

Say goodbye to ink buildup and press slowdowns. The FLEXCEL Prime Plate is formulated to resist ink buildup and drying, meaning minimal press stops and easy post-run cleaning, minimizing the risk of damage and maximizing plate reuse.

Packaged for your convenience

Offering matched quantities of FLEXCEL Prime Plates and sheets of FLEXCEL Prime Film, plate kits make ordering and inventory control simple and efficient.

World-class partner

From start to finish, Miraclon brings leading edge technology solutions to the packaging value chain. A passion for what we do, and solid relationships with customers, brands and technology suppliers mean a collective momentum that is igniting industry change for flexo.

Technical Specifications

FLEXCEL PRIME PLATE KITS

A wide range of finished plate size options are available. Contact your sales representative for more details.

FLEXCEL Prime Plate size	24.0 x 30.0 inch	31.5 x 42.0 inch	35.4 x 47.2 inch	42.0 x 60.0 inch	50.0 x 65.0 inch	50.0 x 80.0 inch
	610 x 762 mm	800 x 1067 mm	900 x 1200 mm	1067 x 1524 mm	1270 x 1651 mm	1270 x 2032 mm
FLEXCEL Prime Film	•	•	•	•	•	•
Light recommendations	Prolonged exposure should be under yellow or UV-modified fluorescent light					
Storage	Store flat and use in a controlled environment of 17 - 30°C (63 - 86°F) and at 40 - 60% RH					
Handling	Handle the film by the corners. Avoid scratching and kinking. Handle plates carefully.					

TECHNICAL DATA FOR A FINISHED PLATE

	PXH 1.14	PXH 1.70	PXH 2.54	PXH 2.84
Thickness/Gauge	1.14 mm	1.70 mm	2.54 mm	2.84 mm
	0.045 inch	0.067 inch	0.100 inch	0.112 inch
Durometer (Shore A)	71 - 77	63 - 69	58 - 64	57 - 63
Minimum dot	10 µm	10 µm	10 µm	10 µm
Minimum isolated dot reproduction	50 µm	50 µm	50 µm	50 µm
Minimum fine line reproduction	20 µm	20 µm	20 µm	20 µm
Raw plate color	Yellow			
Plate resolution	0.4 - 99.6%, 300 lpi (1181/cm) @ 2400dpi, 25 micron FM Screening			
Ink compatibility	Water-based, solvent-based, UV-cured and EB-cured inks			
Washout solutions	Compatible with most washout solvents. A list of certified solutions are available upon request.			
Substrates	Films, foils, shrink films, envelopes, paper, pressure sensitive labels, preprint liner			