



## Kodak Electra Excel HRL/HRO Thermal Plates

### High resolution, versatility and reliability

**Kodak Electra Excel** HRL/HRO Thermal Plates are the most recent additions to the **Kodak Electra** Plate family. These enhanced resolution plates are chosen time and again for the most demanding print jobs, performing with the proven reliability and quality of the original, highly acclaimed **Kodak Electra** Plate. These versatile and popular thermal plates are suitable for use in a diverse range of printing environments, including web publication, commercial sheetfed and packaging.

### Quality and productivity

**Electra Excel** HRL/HRO Plates provide the high resolution, image accuracy, reliability and repeatability you expect from **Kodak** Thermal Plates. These plates perform exceptionally well on press, delivering consistent, predictable results day in and day out.

Rapid roll up to colour and excellent ink/water balance translate to increased efficiency and minimised waste. These plates deliver extraordinarily sharp detail and superb consistency in both AM and FM screening applications.

### Compatibility, consistency and efficiency

These fast imaging plates have a broad spectral response, making **Electra Excel** HRL/HRO Plates fully compatible with most market-leading thermal platesetters. Kodak's image coating technology gives **Electra Excel** HRL/HRO Plates wide exposure and development latitude, which provide exceptional consistency in plate performance. **Electra Excel** HRL/HRO Plates can be intermixed with **Kodak** Conventional Positive Plates in the same processor by using **Kodak Goldstar Premium** Plate Developer, helping you maximise efficiency.

### A legacy and future of innovation

Kodak is the world leader in digital plates. We invented thermal CTP technology in 1995 and have been committed to delivering innovative digital plate solutions ever since.

**Electra Excel** HRL/HRO Thermal Plates offer an exceptional combination of ease of use, simple processing and image quality, making them an excellent choice for a diverse range of printing environments, including web publication, commercial sheetfed and packaging.

# Kodak Electra Excel HRL/HRO Thermal Plates

## DIGITAL PLATES

### Technical specifications

Plate	Positive working, thermal digital plate with wide operating latitude; optional postbake for longer runs
Application	Medium run sheetfed and web offset applications
Aluminium	Electrochemically grained and anodised aluminium substrate
Gauge	HRL: 0.15mm, 0.20mm, 0.24mm, 0.30mm and 0.40mm HRO: 0.15mm, 0.30mm and 0.40mm
Maximum short grain width	HRL: 1500mm      HRO: 1560mm
Spectral sensitivity	800 - 850nm
Platesetter compatibility	Recommended: <b>Kodak Trendsetter, Kodak Lotem and Kodak Magnus</b> Platesetters Other accredited platesetters: <b>Screen PT-R Platesetters, Heidelberg Topsetter and Suprasetter</b> Platesetters, and <b>Luscher Xpose!</b> Platesetters
Laser energy required	130 mJ/cm <sup>2</sup> - 150 mJ/cm <sup>2</sup>
Resolution	1% to 99% @ 250 lpi
FM capability	20 micron stochastic For optimum FM performance, Kodak recommends <b>Staccato Screening</b> on <b>Kodak SQUAREspot</b> Imaging Devices.
Processors	Recommended: <b>Kodak Mercury T-HD Plate Processors and Kodak T Plate Processors</b> For other approved processors, please contact your local supplier of products from Kodak.
Developer	<b>Kodak Goldstar Premium Plate Developer</b>
Processing	Developer temperature 23°C +/- 1°C Dwell time 30 - 40 seconds
Plate intermix	<b>Kodak Sword Ultra Thermal Plates, Kodak Capricorn Excel Positive Plates and Kodak PP3 Positive Plates</b>
Run length <sup>1</sup>	150,000 impressions unbaked 1 million impressions baked
Plate finisher	HRL: <b>Kodak Multigum Plate Finisher</b> HRO: <b>Kodak 850S Plate Finisher</b> When storing processed HRL and HRO plates, Kodak recommends an additional use of <b>Multigum Finisher</b> .
Safelight	Daylight handling
Shelf life	12 months, under recommended storage conditions
Packaging	Available in all standard formats, including bulk packaging options
Storage and handling	Unopened plate packs should be stored flat and away from excessive cold, heat and humidity. Use in a controlled environment of 40 - 70% RH and 16° - 26°C.

<sup>1</sup> Actual run length may vary according to press, ink and paper conditions.

#### To learn more about solutions from Kodak:

Visit [graphics.kodak.com](http://graphics.kodak.com)

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