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# Sword Excel

## Thermal Plates

### **No preheat CTP plates, without baking**

**Kodak Sword Excel** Thermal Plates are ideal for printers who need a robust CTP plate, require high productivity and want to avoid the space, cost and time consumed by preheat and postbake ovens. **Sword Excel** Plates are an excellent choice for printers looking for a consistent, stable and durable plate product that offers mid level resolutions and medium run lengths up to 500,000 impressions.

**Kodak Sword Excel** Plate's uniform, electrochemically grained substrate offers exceptional on-press performance in the most demanding printing environments, including those that use alcohol-free founts, while maintaining optimal adhesion for the patented two layer coating technology. The result is unprecedented durability and chemical resistance even in the harshest applications using UV inks and chemistries, and/or harsh packaging substrates.

### **Proprietary two-layer coating technology enhances CTP productivity**

**Sword Excel** Plates have a patented two-layer coating that provides outstanding on-press durability and chemical resistance without postbaking, saving you space, time and energy. The two-layer coating allows wide processing latitude, which translates to greater stability and repeatability.

**Sword Excel** Plates deliver consistency and quality day in and day out, while reducing waste, remakes and costly downtime on press.

### **Negative chemistry and dedicated processors**

**Kodak Sword Excel** Thermal Plates develop quickly in stable, low pH, long-life negative chemistry and **Kodak S** Plate Processors, which are more compact than typical thermal processors, reduce processing time, consume less energy and are simple and easy to maintain. By using aqueous-based chemistries and compact processing equipment, **Sword Excel** Plates offer exceptional environmental benefits over competing no preheat technologies.

### **A legacy and future of innovation**

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

# Kodak Sword Excel Thermal Plates

## Technical specifications

Plate	Write-the-background, thermal digital plate with excellent press durability and chemical resistance; no preheat, no postbake
Application	Ideal for general commercial, packaging and publication printers utilizing either sheetfed or web presses who desire a plate with excellent unbaked durability and chemical resistance for mid level resolutions and run lengths up to 500,000 impressions
Substrate	Electrochemically grained and anodized aluminum substrate
Gauge	0.15mm, 0.20mm, 0.30mm and 0.40mm Please contact your local supplier of products from Kodak for size and gauge availability by region.
Spectral sensitivity	800 - 850 nm
Platesetter compatibility	Recommended: <b>Kodak Trendsetter</b> , <b>Kodak Lotem</b> and <b>Kodak Magnus</b> Platesetters Other compatible platesetters: <b>Screen</b> PT-R Platesetters, <b>Heidelberg Topsetter</b> and <b>Suprasetter</b> Platesetters, and <b>Luscher Xpose!</b> 75 Platesetter and <b>Agfa Xcalibur</b> 45 Platesetter
Laser energy required	120 mJ/cm <sup>2</sup> - 130 mJ/cm <sup>2</sup> Dependent on imager type, configuration and resolution.
Resolution	1% to 99% @ 200 lpi Dependent upon capability of imaging device.
FM capability	25 micron stochastic Dependent upon imaging device capabilities, screening algorithms, and customer adherence to processing set-up and maintenance. For optimum FM performance, Kodak recommends <b>Kodak Staccato</b> Screening on <b>Kodak SQUAREspot</b> Imaging Technology Devices.
Processors	Recommended: <b>Kodak S</b> Plate Processors Requires processor specifically configured for <b>Sword Excel</b> Thermal Plates.
Developer	<b>Kodak</b> 980 Plate Developer and Regenerator
Plate intermix	10% (by area) intermix of <b>Kodak Winner</b> Negative Plates
Run length	Up to 500,000 impressions unbaked Up to 200,000 impressions in UV applications Dependent upon image resolution, press, press chemical, ink and paper conditions.
Safelight	None required - daylight handling
Shelf life	18 months, under recommended storage conditions
Packaging	Available in all standard formats, including bulk packaging options

### To learn more about solutions from Kodak:

Visit [graphics.kodak.com](http://graphics.kodak.com)  
Or in North America, call +1-866-563-2533

Produced using **Kodak** Technology.

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It's time for you **AND** Kodak