

Kodak

Achieve EM Thermal Plates



Quality, Stability, & Consistency without compromise

Specifically designed and optimised for customers in the emerging markets, to give you the ability to differentiate yourself over your competition, the **Kodak Achieve EM Thermal Plate** offers a highly robust and stable solution that utilises the latest technology available to provide exceptional image quality and durability. Using the **Kodak Achieve Chemistry System*** with the **Achieve EM Plates** helps to reduce spent chemistry and improves operational efficiency. All delivered at an affordable price.

Optimised for use with the **Kodak Achieve Platesetter**, **Kodak Achieve EM Plates** provide high resolution output with the confidence of day-in and day-out consistency, exceptional press performance, and the versatility to adapt to most print conditions and run lengths.

Kodak Achieve EM Thermal Plates perform exceptionally well in prepress and in the pressroom, where they are rated for up to 200,000 impressions without baking. These plates deliver excellent stability, and latitude in imaging, processing and on-press.

Offering an exceptional combination of quality, stability, productivity, consistency and durability, makes the **Kodak Achieve EM Thermal Plate** an excellent choice for high-quality commercial, publication and small format offset packaging printers — from the shortest to the longest print runs.

Highly efficient, yet cost effective

Kodak Achieve EM Plates deliver extraordinarily sharp detail and stability from mid to long run AM and FM applications, reducing plate remakes and variation due to dot wear and sharpening while maximising productivity in the pressroom. Fast imaging and processing helps maximise throughput.

The **Kodak Achieve Chemistry System** delivers exceptional processing stability, with minimal dot variation through the bath life. It is a clean working, low replenishment system,

meaning longer developer cycles are achieved enabling stable, clean, high-capacity processing.

By tailoring the product offering to the most common sizes, gauges and packaging configurations used in the general commercial market today, Kodak has optimised the **Achieve EM Plate** for your demanding needs, where cost is a key consideration, but where no compromise is accepted for quality, robustness or efficiency.

Minimising environmental impact

Used in combination with the **Kodak Achieve Chemistry System**, **Kodak Achieve EM Plates** offer up to 50% lower chemistry usage and generated spent chemistry when compared to **Kodak Capricorn GT Thermal Plates** using **Kodak Goldstar Premium Plate Developer and Replenisher**. Extended bath life means fewer interventions and less downtime for the plate line. Using **Achieve EM Plates** can help save you time and money whilst contributing to your sustainability goals.

In the pressroom, **Achieve EM Plates** are compatible with most alcohol substitute and replacement fount systems, enabling you to keep up with today's environmental and business demands. Press makereadies are extremely efficient and minimise paper and ink waste while maintaining wide latitude on press.

Achieve EM Plates offer high chemical and mechanical durability and can be postbaked for the most extreme environments, such as UV print applications, harsh paper or chemical conditions, or extreme run lengths (rated up to 1,000,000 impressions baked).

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 Achieve Plate Solution, Kodak Achieve Plate Replenisher.

Technical specifications

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|---------------------------|---|
| Plate | Non-ablative, positive working, thermal digital plate with wide operating latitude; optional postbake for extremely long runs, though required for optimal resistance to aggressive press chemistry such as UV inks and blanket washes |
| Application | High quality medium to long run sheetfed and heatset web / coldset web offset applications |
| Substrate | Electrochemically grained and anodised aluminum substrate |
| Gauge | 0.30 mm with restricted size availability |
| Spectral sensitivity | 800 - 850 nm |
| Platesetter compatibility | Recommended: Kodak Achieve Platesetter. Other compatible platesetters: Kodak Trendsetter , Kodak Lotem and Kodak Magnus Platesetters. For other compatible platesetters please contact your local representative or your local supplier of products from Kodak. |
| Laser energy required | 110 - 130 mJ/cm ² |
| AM resolution | 1 to 99% @ 200 lpi Dependent upon capability of imaging device. |
| FM resolution | 20-micron stochastic |
| Processors | Recommended: Kodak Achieve Plate Processor. Other compatible plate processors: Kodak T-HDK Plate Processor, Kodak T Plate Processor and Kodak T-HDX Plate Processor. For other approved processors, please contact your local representative or your local supplier of products from Kodak. |
| Chemistry | Kodak Achieve Chemistry System (comprising Kodak Achieve Plate Solution and Kodak Achieve Plate Replenisher. Also available: Kodak Achieve Plate Finisher.) |
| Run length | Up to 200,000 impressions unbaked; up to 1,000,000 baked. Dependent upon press, press chemical, ink and paper conditions. |
| Safelight | None required - daylight handling |
| Shelf life | 12 months, under recommended storage conditions |
| Availability | Restricted to sales in emerging markets. Please contact your local representative or local supplier of products from Kodak for availability in your region. |

To learn more about solutions from Kodak:

Visit graphics.kodak.com

Produced using Kodak Technology.

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YELLOW CHANGES EVERYTHING