

IRIS STAR

General Information

Plate Type	Thermal digital plate, positive working; optional postbake for longer runs
Application	Medium run sheetfed and web offset applications
Substrate	Electrochemically Grained and Anodized Aluminum Substrate
Aluminum alloy	Standard 1050 Alloy / EN AW 1050A
Coating	Two-layer system, IR sensitive, positive acting
Gauge	0.15,0.20, 0.25,0.30, 0.40mm
Maximum short grain width	Maximum width 1 220 mm
Plate intermix	Kodak Electra Excel HRL/HRO Thermal Plates, Kodak Sword Ultra Thermal Plates, Kodak Capricorn Excel Positive Plates, Kodak PP3 positive plates, Agfa Energy Elite, etc.
Length of Run¹	Unbaked: 150,000 to 200,000 impressions Baked: 1 million impressions

Exposition

Platesetter compatibility	All the main brands in the market: Kodak: Trendsetter/Lotem/Magnus; Fuji: Javelin T9000HS, Heidelberg Topsetter/Suprasetter, Luscher: Xpose Platesetter, etc.
Exposure energy	120-140 mJ/m ²
Spectral Sensitivity	800-850 nm – Peaks 830nm
Resolution	1-99% & 250 lpi
FM capability	20 micron stochastic
Image color	Dark blue

Processing

Processor	All the main brands in the market such as Kodak, Agfa, Fuji etc.
Developer²	Dongfang CDP-II, also other developers provided by Kodak, Agfa, Fuji.
Processing temperature	23°C +/- 1°C
Dwell time	25-30 sec
Developer Rate	100-120 ml/m ² , depending on use

Finishing

Plate Finisher	Dongfang PF-II plate finisher, Kodak Multigum Plate Finisher, AGFA RC795, etc.
UV ink compatibility	Applicable with UV inks when post-baked
Finisher rate	30 ml/m ²

Storage and handling

Safelight	Daylight handling
Shelf Life	18 months under recommended storage conditions
Packaging	Available in all standard formats, including bulk packaging options such as APL packaging
Storage and handling	Unopened plates should be stored in the original pack in a cool and dry environment, away from excessive cold, heat and humidity. Use in a controlled environment of 30-70 % RH and 5-30 C°

¹ Actual run length may vary according to press, ink and paper conditions

² Please, contact us for more details