

wifag-polytype group – brilliance on top

# Wifac Star Premium-T thermal printing plate



Wifac distributes many types of offset plates. A complete plate program is distributed throughout Europe, Middle East and Africa under the Wifac Star Collection label. The distribution model is based upon frequent communication with various factories. Wifac is taking care of stock and technical support. The Wifac Star offset plate program consists of different offset plate applications for different processes. When required, new plate types are added to the program.

The Wifac Star (Premium-T) plates have an excellent price/quality ratio and the performance well meets the European quality standards.

## High resolution, versatility and reliability

The Wifac Star Premium-T thermal printing plates are chosen for the most demanding print jobs, performing with proven reliability and quality. These popular and versatile plates are suitable for use in a diverse range of printing environments for commercial sheetfed and packaging. Even web publications belong to the possibilities.

## Compatibility, consistency and efficiency

The high contrast plates have a broad spectral response, making the Wifac Star Premium-T plates fully compatible with most market leading thermal platesetters. The image coatings technology gives Wifac Star Premium-T plates wide exposure and development latitude, which provide exceptional consistency in plate performance.

# Wifac Star Premium-T

## Quality and productivity

Wifac Star Premium-T plates provide high resolution, image accuracy, reliability and repeatability you expect from a sublime (Wifac) thermal plate. These plates perform exceptionally well on press, delivering consistent and predictable results every day. Rapid roll up to color and excellent ink/water balance to increase efficiency and minimized waste. The Wifac Star Premium-T thermal plates deliver extraordinary sharp detail and superb consistency in both AM and FM screening.

Technical specifications	
Plate type	Positive Thermal Plate
Plate	Write-the-background, thermal digital plate with wide operating latitude; no preheat plate with optional postbake for longer runs and UV ink applications
Application	Medium run sheetfed, web offset and packaging applications
Aluminum	Electrochemically grained and anodized aluminum substrate
Gauge	0.30 mm and 0.15 mm
Spectral sensitivity	800 - 850nm
Platesetter compatibility	Most common brands
Laser energy required	130 mJ/cm <sup>2</sup> - 150 mJ/cm <sup>2</sup> (mJ/cm <sup>2</sup> varies based on platesetter manufacturer)
Resolution	1% to 99% @ 250 lpi. Dependent upon capability of imaging device.
FM capability	20 micron stochastic. Dependent upon screening algorithms.
Developer	Wifac Star Premium-TC and most common brands.
Processing	Developer temperature 22.5°C +/- .5°C (72.5°F +/- 1°F) Dwell time 29 seconds +/- 1 second
Run length <sup>1</sup>	150,000 impressions unbaked, 1 million impressions baked
Safelight	Daylight handling
Shelf life	12 months, under recommended storage conditions
Transport and storage	Store plates flat in their packaging, away from excessive cold, heat or high humidity at 61°F - 78°F (15°C - 25.5°C), with RH between 40 - 70%.
Prepress operating	Unopened plate packs should be stored flat and away from excessive cold, environment heat, humidity and direct sunlight. Use in a controlled environment of 55 - 80% RH and 61°F - 78°F (16°C - 25.5°C).

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

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