



**CINKARNA**  
**GRAFIKA**

# KEMOLIT® THE

## Positive thermal digital/CTP offset printing plate

**KEMOLIT® THE** is a positive thermal digital/CTP offset printing plate sensitive to 830 nm light wave length. Kemolit THE is successfully used in all types of CTP exposure units (platesetters) for the preparation of printing form on positive thermal plates.

## Technical specification

<b>Product name</b>	<b>KEMOLIT® THE</b>
<b>Type</b>	Positive thermal digital/CTP offset printing plate
<b>Base</b>	Electrochemically grained & anodized aluminum
<b>Use</b>	Offset printing
<b>Thickness</b>	0,15; 0,30 mm; other thicknesses on bespoke bases
<b>Spectral sensitivity</b>	830 nm (800-850 nm)
<b>Laser energy required</b>	130-150 mJ/cm <sup>2</sup>
<b>Resolution</b>	1-99 % at 200 lpi; 20µm FM raster
<b>Developer</b>	P-71 CTP – developer P-71 PLUS CTP – developer (stronger)
<b>Temperature</b>	23-24 °C
<b>Gumming</b>	P-47 OFFSETGUM-UNI – universal gumming solution
<b>Plate cleaner</b>	P-212 CTP – plate cleaner
<b>Run length*</b>	up to 100.000 impresions up to 200.000 impresions (baked)
<b>Thermal treatment</b>	230-240°C up to 5 minutes; using P-81 TERMOGUM – for baking and gumming
<b>Safelight</b>	Daylight handling (not recommended exposing for longer time)
<b>Archiving/Preserving</b>	P47 – OFFSETGUM UNI – universal gumming solution
<b>Storing conditions</b>	Recommended temperature 25°C, humidity 70%

\*Run lengths always dependent on processing and press conditions.

Specifications are subjects to change without notice.

- **Thermal coating is sensitive to IR laser 830 nm light wave length**
- **Compatible with any positive thermal digital/CTP platesetters with light wave length 830 nm**
- **Fast preparation of plate (printing form)**
- **Fast and efficient developing with all compatible developers**
- **High image contrast on copy between exposed and non-exposed areas**
- **Quick establishment of ink-water balance in printing**
- **High resolution and excellent print**
- **Long run length**
- **Preserving allows reuse of plate (reprint)**