

CONVENTIONAL AND CTCP PLATE

KEMOLIT® PCP is a positive conventional offset printing plate, coated with the light sensitive diazo coating which allows versatile options of use. It can be either used for classical (analogue) exposure, using film or as digital offset printing plate on the CTcP exposure units (platesetters), such as: Lüscher UV XPose and Basys Print.

Lithographic aluminum alloy plates with their characteristics provide the best quality for the printing technology demands. Kemolit printing plates are available in various thicknesses: 0,15 mm (with or without perforation), 0,30 mm and 0,40 mm.

Technical specification

Type	Positive conventional offset printing plate (PS/CTcP)
Base	Electrochemically grained & anodized aluminum
Use	Offset printing
Thickness	0,15; 0,30; 0,40 mm; other thicknesses on bespoke bases
Spectral sensitivity	UV; 350-450 nm
Laser energy required (for CTcP platesetters)	33-50 mJ/cm ²
Resolution	1-99% at 200 lpi ; 20µm FM
Developer	P-75 – machine developer or P-75 C – concentrate P-76 – manual developer or P-76 C - concentrate
Developer temperature	23-24°C
Image correction	P-73 CORRECTOR – corrector gel P-73/1 CORRECTOR – corrector pencil
Gumming	P-12 OFFSETGUM – gumming solution P-13 OFFSETGUM-K – acidic gumming solution P-47 OFFSETGUM-UNI – universal gumming solution
Plate cleaner	P-211 ACTIVATOR – plate cleaner
Run length*	> 100.000 impressions > 200.000 impressions (baked)
Thermal treatment (baking)	230-240°C up to 5 minutes; using P-81 TERMOGUM – for baking and gumming
Archiving/Preserving	P47 – OFFSETGUM UNI – universal gumming solution
Storing conditions	Recommended temperature 25°C, humidity 70%

*Run lengths always dependent on processing and press conditions. Specifications are subjects to change without notice.

Key features:

- 2 in 1 (option of analogue and digital use)
- High light sensitivity of coating shortens the exposure time
- Excellent contact between film and plate surface when analogue exposing, eliminating copy distortion
- Distinguished difference between exposed and non-exposed areas of the plate
- Quick establishment of ink-water balance in printing
- High resolution and excellent print
- Long run length
- UV inks compatible (baked)
- Preserving allows reuse of plate (reprint)
- Kemolit E – blank plate available also