Double-Layer Thermal CTP Plate

Positive-working double-layer thermal plate for 830 nm platesetters — UV inks, aggressive pressroom chemistry and longer runs; bake when a UV job needs more run length.

General	
Plate type	Double-layer, positive-working thermal CTP plate
Substrate	Electrochemically grained and anodised aluminium
Aluminium alloy	1050 / 1060 series
Gauge	0.15 / 0.20 / 0.25 / 0.30 / 0.40 mm
Maximum format	Up to 1,250 × 1,650 mm (other sizes cut to order)
Grain roughness (Ra)	0.4–0.6 μm
Anodic oxide weight	2.5–3.5 g/m²
Coating colour	Blue / green
Imaging	
Spectral sensitivity	800–850 nm (830 nm thermal platesetters)
Sensitivity (exposure energy)	120–150 mJ/cm²
Resolution / dot reproduction	1–99% at 200 lpi (2400 dpi); FM 20 μm
Light handling	Daylight-safe: can be handled under normal white light
Processing	
Developer	Positive thermal CTP developer
Developing temperature	23–25 °C
Developing time	20–30 s
On press	
Run length, unbaked	≥ 80,000 impressions
Baking	Bakeable: 230–250 °C for 5–8 minutes
Run length, baked	≥ 160,000 impressions
UV inks	Resistant to UV inks; bake the plate for the longest UV runs
Chemical resistance	Resistant to alcohol-substitute fountain solutions and UV washes
Storage & packing	
Shelf life	12–18 months in the original packing under the recommended storage conditions
Storage	18–25 °C, relative humidity ≤ 60%, away from light, stored flat
Packing	50 / 100 sheets per carton with interleaving paper; on pallets or in wooden cases

Values are typical, measured under our standard test conditions. Results depend on the platesetter or exposure unit, processor, chemistry, press, paper and ink — always calibrate on your own equipment and run a test before production. Final specifications for an order are confirmed in the quotation.

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