# Positive PS Plate

Positive-working conventional PS plate for film exposure on metal-halide exposure frames — conventional-ink offset work; bakeable for longer runs.

| General | |
|---|---|
| **Plate type** | Positive-working PS plate (film exposure) |
| **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 $\mu$m |
| **Anodic oxide weight** | 2.5–3.5 g/m² |
| **Coating colour** | Blue / green |
| **Imaging** | |
| **Spectral sensitivity** | 360–450 nm (metal-halide exposure frame) |
| **Sensitivity** | Grey scale steps 3–4 fully clear (depends on exposure conditions) |
| **Resolution / dot reproduction** | 2–98% at 175 lpi |
| **Safelight** | Yellow-light room |
| **Processing** | |
| **Developer** | Positive PS developer |
| **Developing temperature** | 22–25 °C |
| **Developing time** | 20–40 s |
| **On press** | |
| **Run length, unbaked** | ≥ 80,000 impressions |
| **Baking** | Bakeable: 230–250 °C for 5–8 minutes |
| **Run length, baked** | ≥ 200,000 impressions |
| **UV inks** | Consult us |
| **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.