



Plate Technical Data Sheet

CONQUEROR Thermal CtP Offset Plates

Application	Dot Works CONQUEROR Thermal CtP plate is ideal for all sheet-fed and web offset printing
Features	<ul style="list-style-type: none"> • No Pre-Heat • Positive acting Photopolymer • White light safe • Electrochemically Grained and Anodized • Dark Blue Image – Excellent contrast • High abrasion and scratch resistance • Excellent dot reproduction • Readable with plate scanners • Press runs of 150,000 + (un-baked) 1,000,000 (baked)
Spectral Sensitivity	Thermal (IR) – 800 – 850 nm (sensitivity peak at 830 nm)
Energy Required	140 mJ/cm ²
Resolution	0.5% - 99% @ 450 lpi
Development	Conqueror Developer 30 ± 5 sec. Dwell time @ 23° ± 1° C
Replenishment	150 ml/m ² – using Conqueror Developer
Post Bake	220° - 240° C – 3 to 5 min.
Shelf Life	12 month shelf life from date of production when stored in a cool, dry area, in original packaging
Quality	All plates are laser controlled on-line for guaranteed quality and consistency
Availability	<ul style="list-style-type: none"> • Gauge - .006” - .008” - .012” - .015” • Sizes – most standard sheet-fed and web sizes available; special sizes available on request