

#### Description & Application

Elite is the most robust thermal digital plate used for high-end long-run printing applications. It is manufactured by TechNova in technical collaboration with Agfa-Gevaert N.V. It is designed for high-resolution, extra long-runs without baking and unmatched in its UV-ink run-length capability. Elite is the most preferred thermal plate for long-run and UV ink printing in packaging & commercial print segments and for “Green” printing using alcohol-free founts.

#### Features & Benefits

- Ideally suited for long-run UV-ink printing without post-baking
- Fully compatible with alcohol-free founts; enables to “Go Green” without the fear of plate failures
- Suitable for high quality applications and stochastic screening
- Fast clean-up properties on the press; minimises start-up waste & machine downtime
- Excellent dampening latitude; allows high ink density and low damp levels
- Accredited for use with all the leading brands of thermal plate-setters & processors

#### Specifications

- Plate Type : Thermally exposed, positive-acting digital plate for sheet and web offset presses
- Coating : Two-layer system, infrared sensitive, positive-acting
- Gauge (mm) : 0.15, 0.20, 0.28 & 0.30
- Spectral Sensitivity : 830 nm
- Exposure Energy : 120 - 130 mJ/cm<sup>2</sup>
- Resolution : 1% - 99% dot resolution at 200 lpi screen; 280 lpi hybrid and FM capable
- Image Colour : Blue
- Processing Steps : Conventional wet processing using recommended plate developer
- Replenishment Rate : 80-100 ml/m<sup>2</sup> with recommended plate replenisher (depending on usage)
- Run-length : 350,000+ impressions without baking; 100,000+ impressions using UV-inks (actual run-length may vary depending on press conditions and ink & paper quality)
- Room Illumination : Office light (avoid daylight and direct sunlight on the plate)

#### Recommended Processing Chemistry

- Machine Processing : Star Plus Universal / Elite Developer (ready-to-use)
- Processor Replenishment : Star Plus Universal Replenisher / Elite Replenisher (ready-to-use)
- Finisher : Unifin / RC 795
- Deletion : Elite Deletion Fluid
- Baking Solution : Thermotect / RC 510
- Storage after Processing : Unifin (for storage up to 7 days); NovaKeepGum (for storage up to 3 months)

#### Recommended Pressroom Chemistry

- Plate Cleaner : InstaKleen UV (for UV inks); InstaKleen CtP (for conventional inks)
- Fountain Solution : Compatible with all fountain solutions from TechNova
- Press Wash : Compatible with all recommended washes from TechNova
- PressCare : Compatible with all recommended presscare solutions from TechNova

#### Storage, Handling & Packaging

- Storage & Handling : 10°C - 25°C; 30% to 70% RH. If the storage temperature differs significantly from plate room temperature, the plates should be acclimatized in their original package for at least 12 hours before unpacking and processing the plates. Always open the package under recommended room illumination.
- Recommended plateroom conditions : Operating temperatures 23°C (±2°C); 40% to 70% RH.
- Shelf-life : 24 months (from date of manufacturing) under recommended storage conditions



## About Us

TechNova is one of the world's largest suppliers of print solutions. TechNova's innovative and world-class products cater to a wide range of industries, such as Commercial & Newspaper Printing, Publishing, Packaging, Signage, Photo, Textile, Engineering & Medical Imaging.

TechNova's name is derived from the words "technology" and "innovation", and it is these two tenets that form TechNova's core mission. Globally recognised as a pioneer, TechNova has introduced several breakthrough technologies and innovative products that have transformed various print processes and created new markets.

With its wide distribution and logistics network in India, TechNova's products & services are used by every printer in the country. In addition to its leadership position in India, TechNova markets its products to over 60 countries through its international offices and distribution network.

Uniting all TechNova's businesses is its value system - a strict code of ethics, commitment to excellence, business conduct based on honesty, fairness & mutual trust, and a "Customer First" philosophy.

### Highlights

- World's only manufacturer of full range of Digital Offset Plates : Violet, Thermal, UV, Inkjet & Laser
- India's largest manufacturer of Offset Plates & Printing Chemicals
- Products distributed to over 60 countries worldwide
- Widest portfolio of Digital Print Media for Inkjet & Laser printing
- 70% market share in India for each of its product groups
- IMS Certifications : ISO 9001:2015 for QMS; ISO 14001:2015 EMS and ISO 45001:2018 for OHS
- Winner of the prestigious GATF InterTech Technology Award
- Pioneer of the "Go Green" revolution in the Indian print industry

### Product Portfolio

- Offset CtP Systems
- Offset Printing Plates & Films
- Specialty Chemicals
- Printing Blankets
- UV & Aqueous Coatings
- Adhesives
- Printing Inks
- Digital Industrial Presses
- Digital Production Presses
- Digital Inkjet Presses
- Digital Embellishment Systems
- Digital Post-production Devices
- Digital Print Media
- Software & Workflows
- Flexo CtP Systems
- Flexographic Plates
- Letterpress Plates
- Waterless Plates
- Press Enhancement Systems
- ETP/STP Systems
- Advisories : SHE Audits & Trainings

### TechNova Go Green Mission

Our planet is our most vital resource. We must do all we can to preserve it. TechNova is committed to helping the printing industry adopt eco-friendly solutions, reduce carbon footprint, eliminate waste and facilitate sustainable growth. To help achieve this, we at TechNova have embarked on a "Go Green" mission :

- To promote Green awareness within TechNova, with our stakeholders and within the printing industry
- To develop, manufacture and supply eco-friendly Green products and services that have the least impact on the environment
- To comply with, and go beyond, all applicable legal requirements with regards to the environment and help our customers achieve the same.

#### Corporate Office

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