

CrownJewel™ TS

Product Description & Application

CrownJewel TS is a premium, high performance fountain solution concentrate for web presses with turbo and spray dampening systems.

Features & Benefits

- Specially formulated; to avoid clogging of spray nozzles
- Formulated with high-performance anti-piling properties; to reduce press downtime
- Digital & Analog plate safe; for zero plate cancellation
- Designed to achieve optimum water settings; to ensure sharper, denser prints
- Enables fast clean-up and rapid attainment of ink-water balance; for reduced start-up wastage
- Strongly buffered; to ensure consistent print quality
- Low foaming; for trouble-free press performance
- Effective biocide system; for prolonged bath life & minimal effluent generation

Usage Instructions

- Depending on usage condition, add between 2% ~ 3% concentrate in water (20 ml ~ 30 ml concentrate in one litre of water).
- Ideal dilution depends on press speed, type of dampening system, ink type and paper quality.
- Use a freshly calibrated conductivity meter, for accurate dosing control. Ensure that the mixed fount solution is within $\pm 100 \mu\text{s}$ of the pre-determined mix.
- To ensure optimum tray life, thoroughly clean the dosing, circulation and feeding systems with Fount System Cleaner and deglaze ink train and dampening rubber rollers, before charging freshly mixed solution.

Properties & Positioning

Product Related			Press Related		
Chemical Composition	Contains Drying Additives	×	Application	Business Forms Web	✓
	Contains Corrosion Inhibitors	✓		Coldset Web	✓
	Contains Defoamers	✓		Heatset Web	×
		Sheet-fed		×	
Technical Properties	Typical Dosage(%)	2% ~ 3%	Dampening Systems	Coldset Brush	×
	pH @ 2% in DM water (25°C)	4.8 - 5.20		Coldset Spray	✓
	Conductivity @ 2% in DM water (25°C)	1000 - 1900 μs		Coldset Turbo	✓
		Heatset - Non Contact		×	
		Heatset - Contact		×	
		Sheet-fed Alcohol Damp		×	
		Sheet-fed Conventional		×	
Ink Related			Physical Properties (Concentrated)		
Compatibility	Conventional Inks	✓	Appearance	Reddish Pink Clear solution	
	UV Inks	✓	Specific Gravity	1.10 - 1.12	
	Metallic Inks	✓			

DOSE
2~3%

CtP
✓

Plate Compatibility

Thermal Plates	Violet Plates	Analog Plates
All Brands	All Brands	All Brands

Water Compatibility

Soft Water Alkalinity < 25 ppm	Medium Water Alkalinity < 150 ppm	Hard Water Alkalinity upto 300 ppm	Very Hard Water Alkalinity > 300 ppm
✓	✓	✓	×

Storage, Handling & Packaging

- Storage & Handling : Protect from direct sunlight. Store at moderate temperatures in a dry, well-ventilated area. Keep the containers tightly closed when not in use. The use of safety gloves is recommended.
- Shelf-life : 12 months from the date of manufacture.
- Packing : 20 & 210 litres.
- Caution : Avoid contact with skin and eyes.



Our Planet is our most vital resource. We must do all we can to preserve it. We at TechNova have embarked on a "Go Green" mission. Our objectives are :

- To promote Green awareness within TechNova, with our stakeholders and within the Indian 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 regard to the environment, and help our customers achieve the same.

To assist the printing industry to "Go Green", TechNova has introduced a bouquet of Green products :

- Chem-free Digital Plates
- Process-free Inkjet CtP Solutions
- Alcohol-free & Alcohol-reducing Founts
- Aromatic-free Press Washes
- VOC-free Cleaners & Deglazers

All Product Information Capsules for TechNova's Green products carry the "Go Green" symbol.

Corporate Profile

- Since inception in 1971, TechNova has introduced several new breakthrough technologies.
- Recognised as one of the world's leading manufacturers of imaging products.
- Markets products to over 51 countries through its overseas offices and distribution network.
- Serves various industries such as print & publishing, packaging, textiles, engineering, signage, advertising, geology, photography, business graphics and medical diagnostics.

Product Portfolio

- Thermal CtP Systems
- Violet CtP Systems
- Inkjet CtP Systems
- Digital & Analog Plates
- Flexo Plates
- Graphic Art Films
- Graphic Chemistry
- Diazo Chemistry
- Offset Printing Blankets
- Inkjet & Laser Media
- Diazo Media
- Screen Print Solutions

Highlights

- India's only and world's 4th largest manufacturer of digital printing plates.
- Long term technical collaboration with Agfa Graphics.
- Only company outside of North America, Europe and Japan to receive the coveted GATF InterTech Technology Award.
- Recipient of the Davos-based World Economic Forum's "Top-performing, Global Growth Company Award" in 1997 and "Technology Pioneer Award" in 2000.

Corporate Office

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