



## Product Description & Application

**AkronDiamond** is a premium, isopropanol reducing, low foaming fountain solution concentrate designed for alcohol and integrated dampening systems.

## Features & Benefits

- Designed for printing with low isopropanol; enables you to “Go Green”
- Enables fast clean-up and rapid attainment of ink-water balance; for reduced start-up wastage
- Low foaming; for trouble-free press performance
- Designed to achieve optimum water settings; to ensure sharper, denser prints
- Effective biocide system; for prolonged bath life & minimal effluent generation

## Usage Instructions

- Depending on usage condition, add between 2% ~ 4% concentrate in water (20 ml ~ 40 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.
- Recommended IPA dosage: 4~8%.

## 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)	4.50-5.50		Coldset Spray	×
	Conductivity @ 2% in DM water (25°C)	1500-2000 $\mu\text{s}$		Coldset Turbo	×
	IPA Dosing Range	4~8 %		Heatset - Non Contact	×
		Heatset - Contact		×	
		Sheet-fed Alcohol Damp		✓	
<b>Physical Properties (Concentrated)</b>				Sheet-fed Conventional	✓
Appearance	Clear Colourless Liquid				
Specific Gravity	1.10 - 1.12 @ 28°C				



## 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 temperature in dry, Well-ventilated area. Keep containers tightly closed; when not in use. The use of safety gloves is recommended.
- Shelf-life : 12 months from the date of manufacture
- Packing : 5, 10 & 20 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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