



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 μs		Coldset Turbo	×
	IPA Dosing Range	4~8 %		Heatset - Non Contact	×
		Heatset - Contact		×	
		Sheet-fed Alcohol Damp		✓	
		Sheet-fed Conventional		✓	
Physical Properties (Concentrated)					
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 & 20 litres
- Caution : Avoid contact with skin and eyes

About Us

TechNova is recognised as one of the world's largest providers of digital & analog imaging and printing solutions for the Graphic Communications industry. Globally recognised as a pioneer, TechNova has introduced several new breakthrough technologies that have transformed various imaging processes. TechNova offers a comprehensive Imaging Ecosystem of integrated solutions and services for the Print, Publishing, Packaging, Textile, Engineering, Signage and Photo industries.

Highlights

- World's only manufacturer of full range of Offset Plates : Violet, Thermal, UV, Analog, Inkjet & Laser
- One of the world's largest manufacturer of Graphic Art Chemistry
- Widest portfolio of Inkjet & Laser Media
- Products distributed to over 68 countries worldwide
- ISO 9001:2015 Certification
- ISO 14001 & ISO 18001 Certification
- Winner of the prestigious GATF InterTech Technology Award
- Pioneer of the "Go Green" revolution in the Indian printing industry

Product Portfolio

- Offset Printing Plates
- Printing Chemicals
- Violet CtP Systems
- Digital Printing Systems
- Waterless Offset Plates
- Digital Print Media
- Thermal CtP Systems
- Software & Workflows
- Flexo & Letterpress Plates
- Offset Blankets
- Inkjet CtP Systems
- Value-added Services

Digital Print Media Portfolio

- **Colour Laser Media** : Non-tear films & papers for photo and general commercial printing using digital production presses
- **Inkjet Photo Media** : Non-tear films & papers for photo and proofing applications using dry labs, desktop and large-format inkjet printers
- **Wide-format Print Media** : Films & papers for signage and display applications using wide-format printers
- **Dye-Sublimation Transfer Media** : Media for printing image transfers using desktop and large-format inkjet printers
- **Design & Drawing Media** : Non-tear films and papers for design & drawing applications using inkjet & laser plotters
- **Multipurpose Labels** : Pre-cut self-adhesive labels for desktop inkjet & laser printers

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