

AkronGold™

Product Description & Application

AkronGold is a premium IPA reducing and plate safe fountain solution concentrate designed for sheet-fed presses with alcohol and integrated dampening systems.

Features & Benefits

- Equally compatible for use with alcohol and alcohol substitutes; suitable for universal application
- Strongly buffered to withstand MO alkalinity up to 300 ppm; ensures consistent print quality
- Ultra-low foaming; for trouble-free press performance
- Compatible with both, UV and conventional inks
- Designed to achieve optimum water settings; to ensure sharper, denser prints
- Free of VOC's (Volatile Organic Compounds); for a cleaner, safer pressroom

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 fountain 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 Fountain System Cleaner and deglaze ink train and dampening rubber rollers, before charging freshly mixed solution.

Properties & Positioning

Product Related

Chemical Composition	Contains Drying Additives	×
	Contains Corrosion Inhibitors	×
	Contains Defoamers	✓

Technical Properties	Typical Dosage(%)	2~3 %
	pH @ 2% in DM water (25°C)	4.50-5.20
	Conductivity @ 2% in DM water (25°C)	1400-1900 μs
	IPA Dosing Range	8~10 %

Ink Related

Compatibility	Conventional Inks	✓
	UV	✓
	Metallic Inks	✓

Press Related

Application	Business Forms Web	✓
	Coldset Web	×
	Heatset Web	×
	Sheet-fed	✓

Dampening Systems	Coldset Brush	×
	Coldset Spray	×
	Coldset Turbo	×
	Heatset - Non Contact	×
	Heatset - Contact	×
	Sheet-fed Alcohol Damp	✓
	Sheet-fed Conventional	✓

Physical Properties (Concentrated)

Appearance	Clear Colourless Liquid
Specific Gravity	1.06 - 1.09

DOSE
2~3%



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 temperature in dry, well-ventilated area. Keep containers tightly closed; when not in use. The use of hand gloves is recommended.
- Shelf-life : 12 months from the date of manufacture
- Packing : 5, 20 & 210 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

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