

Alphafount SF 132 certified by FOGRA

One step fountain solution for alcohol free printing

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Product description

Printing without alcohol is mandatory in some countries already and is getting a consistently increasing share due to growing consciousness for environmental responsibility. Many printers switched already from traditional alcohol as wetting agent to an alternative fountain solution mix.

To ease the challenge for a changeover to “green printing” this fountain additive has been formulated and its practical use has been proven in the printing society since years.

This one step fountain additive is dedicated to modern high-speed presses equipped with process automation and control systems. It comprises every feature of a high sophisticated universal fount. Though it is designed for alcohol free printing it can also be adjusted with slight IPA dosing if it is appropriate under specific substrate and ink combination and press settings.

The fount allows top performance in all types of dampening systems with mineral oil as well as vegetal oil based-, metallic-, UV and hybrid inks.

Features

Besides the usual qualities of a modern fountain solution, like good clean running features, low water damping and prevention of bacterial attack within the complete mixing system, a special conceived buffering avoids calcium carbonate deposits. Further the fount has a high concentration of plate protective components.

- Superior wetting behaviour leads to optimal dampening conditions;
- Reduced water uptake influences positively drying time and anti-set-off powder usage;
- Fast start up of the plate enables reducing waste of substrate;
- Has a built-in corrosion guard, safeguarding press components;
- Formulated with high-performance anti-piling properties to avoid press downtime;
- Effective calcium blocker prevents calcium deposits on ink rollers;
- Contains de-foamer; for trouble-free press performance;
- Suited for food grade printing (foodstuffs sector);

Technical data

To achieve the optimum performance, it is recommended that *Alphafount SF 132* Fountain Solution be used at 4,0% – 5,0% dosage. Conductivity of the press-ready solution will be approx. 1300 µS/cm (at 4%).

To verify the conductivity of the press-ready solution, prepare a control sample using local water at the desired dosage. Record the pH and conductivity to serve as the performance target on press

Physical properties		Compatibility of inks		Compatibility of plates	
Dosage	4,0% – 5,0%	Conventional inks	yes	Thermal plates	all brands
PH-value	4,8 - 5,5	UV-inks	yes	Violet plates	all brands
Conductivity	ca. 1300 µS/cm	Food grade printing	yes	Conventional plates	all brands
Density	1,063 – 1,068 kg/l	When switching from IPA-process to Alcofree a stepwise procedure is recommended. Ask for support from your Instructor		Some plate brands allow smaller “water-bandwidth” than others thus react more sensitive to water uptake variation. Addition of IPA eases press control.	
IPA-dosage	0% (0%-5%)				



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Storage/handling/packing

Storage and handling	<ul style="list-style-type: none">• No dangerous goods.• Store at moderate temperatures (8 - 40°C).• The usage of safety gloves is recommended.• Keep container tightly closed.• Keep away from direct sun light.
Shelf life	12 months after the date of manufacturing
Packing	10/20/200 kg can/container
Caution	avoid contact with skin and eyes

Usage and product-instructions

To ensure an optimal tray life thoroughly clean the dosing circulation and feeding systems with fountain system cleaner and deglaze ink train and dampening rubber rollers before charging the press unit freshly mixed solution.

Ideal dilution depends on press speed, type of dampening system, type of ink and quality of paper. *Alphafount SF 132 Fountain Solution* is designed to run at 4,0% – 5,0% dosage.

After establishing the working concentration, the conductivity and pH should be recorded. This data can then serve as an on-press quality control tool.

Attention: A too high or too low dosage of the additive may cause printing difficulties. The ink-water balance may be affected ending in dysfunctional ink split.

Contact details

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