

Alphafount SF 120 certified by FOGRA

Fountain solution for alcohol dampening systems in modern, automated presses

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Product description

The formulation provides most of the features of the *Alphafount SF 110* although it is specified to perform best for traditional mineral oil and vegetal oil-based ink systems.

It may work with UV curing and metallic ink as well under certain conditions, however, requires in such cases extended operator supervision. Once adjusted to dedicated ink/substrate/speed conditions the fount allows a stable ink/water balance (ink split) and thus a continue press run.

Dosage of wetting agent (IPA) is rather on the higher side opening the dampening window for good clean running properties. A low water uptake stands for good press control and high print contrast (colour saturation on solids and dot gain at ISO standards).

Part of this founts property is the prevention of bacterial attack within the complete dampening circulation system. Besides the usual qualities of a modern fountain solution, like good clean-running features and low water damping, a special conceived buffering avoids calcium carbonate deposits.

Features

- Has a built-in corrosion guard, safeguarding press components.
- Formulated to reduce piling on blankets to reduce press downtime.
- Fast start up of the plate.
- Effective calcium blocker prevents calcium deposits on ink rollers: No glaze and ink roller stripping.
- Optimum performance at dosage 2,5% – 3,5%.
- Conductivity of the press-ready solution will be approx. 1100 µS/cm (at dosage of 2,5%).
- IPA dosage between 5 and 8%,
- At pH 4.8 to 5.5 gives bright colours,

Technical data

To achieve the optimum performance, it is recommended that *Alphafount SF 120* Fountain Solution be used at 2,5% – 3,5%. Conductivity of the press-ready solution will be approximately 1100 µS/cm (at 2,5%).

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	2,5 – 3,5 %	Conventional inks	yes	Thermal plates	all brands
PH-value	4,8 - 5,5	Metal inks	no	Violet plates	all brands
Conductivity	ca. 1100 µS/cm	UV-inks	no	Conventional plates	all brands
Density	1,063 – 1,068 kg/l				
IPA-dosage	5-8%				



Autoprint Formula Solution Pvt. Ltd.

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 120* fountain solution is designed to run best at 2,5% – 3,5 % 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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