

Alphafount SF 110 certified by FOGRA

Fountain solution for high-speed presses and alcohol reduced printing

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Product description

This fountain additive is dedicated to modern high-speed presses equipped with process automation and control systems and is well suited for perfecting units.

It is designed to provide top performance with UV inks, metallic compositions and traditional mineral oil-, or vegetal oil based ink.

The ink water balance is extraordinary stable and unfolds its excellence even under the mix of high printing speed, perfecting, sophisticated substrate material, UV curing and spot colour application.

The low water uptake and thus best controlled ink split cares for minimum oscillation of colour density and dot gain that keeps the print image contrast at highest level and consistency of colour sheet by sheet.

Part of the formulation effectuates smart drying behaviour, avoiding smearing, set-off and marking.

Besides qualities, like good clean-running features and prevention of bacterial attack within the complete mixing system, a special conceived buffering avoids calcium carbonate deposits.

Features

- Built-in corrosion guard, safeguarding press components.
- High-performance anti-piling properties to avoid press downtime;
- Suitable for food grade printing (foodstuffs sector);
- Effective calcium blocker prevents deposits on ink rollers;
- Contains de-foamer for proper circulation in the piping system;
- Alcohol reduced, IPA dosage between 3 and 8%;
- Best performance at dosage 2,5% – 3,5%;
- At pH 4.8 to 5.5 gives bright colours and faster starts and restarts;
- High concentration of plate protective components for all types of plates.
- Suitable for food grade printing.

Technical data

To achieve the optimum performance, it is recommended that *Alphafount SF 110* Fountain Solution be used at 2,5% – 3,5%. Conductivity of the press-ready solution will be approximately approx. 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 | yes | Violet plates | all brands |
| Conductivity | ca. 1100 µS/cm | UV-inks | yes | Conventional plates | all brands |
| Density | 1,063 – 1,068 kg/l | Food grade printing | yes | | |
| IPA-dosage | 3-8% | | | | |



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 110* Fountain Solution is designed to run at 2,5% 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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