

Alphafount CS 213

Hard water version for spray and brush dampening

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Product Description

The formulation of this fountain additive is a derivate from *Alphafount CS 210* however, optimized and best suited for newspaper production and other coldset application running at regular speed and presses equipped with spray- brush- or other dampening systems.

This fountain solution additive has good clean-running features, low water uptake in dampening and prevention of bacterial attack within the complete mixing system. A special conceived buffering prevents calcium carbonate deposits. Further the additive has a high concentration of plate protective raw materials.

Using *Alphafount CS 213* allows lower water levels on press reducing or eliminating smearing, set-off, marking and slow drying. The pH at 4.8 to 5.2 gives brighter colors, faster starts, and restarts.

Application

For medium to hard water quality (> 8°dH). In case of reverse osmosis and soft tap water (< 8°dH) a specific soft water version is available (*Alphafount CS 211*).

Features at a glance

- Built in corrosion protection (corrosion inhibiting additive);
- Formulated with high-performance anti-piling properties; to reduce press downtime;
- Biocide protects against bacteria contamination;
- Special surfactants allow to reduce the water level: faster drying and higher colour density;
- For use in spray-, brush- and other systems;
- Fast start up of the plate and thus reducing waste;
- Active plate preservers: no oxidation of the plate after press stops;
- Effective calcium blocker prevents calcium deposits on ink rollers;
- Very effective in controlling "dot gain";
- Low foaming for trouble-free press performance;

Technical data

To achieve the optimum performance, it is recommended that *Alphafount CS 211* fountain solution be used at 2– 3 % dosage. Conductivity of the press-ready solution will be approx. 1300 µS/cm at 2,5% (200 µS per 0,5%).

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– 3%	Conventional inks	yes	Thermal plates	all brands
PH-value	4,8 - 5,2	Metal inks	no	Violet plates	all brands
Conductivity	ca. 1300 µS/cm	UV-inks	yes	Conventional plates	all brands
Density	1,063 – 1,068 kg/l				



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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 month after the date of manufacturing
Packing	20/200/1000 kg can/drum/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.

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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