

How to use Hydrolith -NA Founts Solutions (No Alcohol)

General Remarks:

Isopropylalcohol in the printing process has its positive effects: it gives the printer more latitude for the ink and water balance, it rises the viscosity for better water transfer and other advantages.

Yet the disadvantages today are more obvious: IPA is irritating to eyes and skin, the vapour cause dizziness, it evaporates into the atmosphere, it is costly and lowers in many cases the print quality.

Conditions for alcohol reduction and elimination:

The press should be fitted out with

- a Fountain Solution Cooling System
- soft parallel rollers with a soft shore hardness
- ideally with a ceramic metering roller
- standardizes water, ideally deionises with Reverse Osmosis and hardened up to ca. 10°dH/270 ppm

Procedures:

1. ensure that all settings of the press are correct, in particular the roller settings
2. clean up the press with a good wash (**B-Matic Wash AIII**) and rejuvenator (**Rollo Vital liquid or paste**), including the removal of calcium residues (**Calcium Remover GEL**)
3. clean the fountain solution circulation with a good Cleaner which contains biocides (**DSC Cleaner**)
4. add Hydrolith BS-NA / Hydrolith BS-NA 3-4% depending on the water conditions and make sure that the dosage is correct
5. reduce the IPA by 3-5% and run for a couple of days
6. then reduce step by step to zero alcohol
7. control on a regular basis the parameter of the Fountain Solution: conductivity and pH value