

234 AF-9000 Plus

Advanced IPA-Free Fountain Solution for Sheetfed and Heatset Offset Presses

DESCRIPTION :

AF-9000 Plus is a high-performance fountain solution concentrate formulated to eliminate isopropyl alcohol (IPA) from sheetfed and heatset web offset printing presses. It is suitable for conventional, continuous-film and integrated dampening systems operating at medium to very high production speeds. The product incorporates state-of-the-art wetting, lubricating and plate-protection agents that reproduce the essential pressroom benefits traditionally associated with IPA. It rapidly reduces the surface tension of the dampening solution, enabling the formation of a thin, uniform and stable water film across the non-image areas of the printing plate. AF-9000 Plus promotes controlled ink-water interaction and optimum emulsification without allowing excessive water uptake by the ink. Its fast wetting action, excellent dynamic surface-tension control and stable buffering characteristics help presses reach colour quickly, run with minimum water and maintain consistent print quality throughout long production runs. The advanced lubrication system reduces friction within the plate, blanket and dampening train, helping minimise plate wear and heat-related instability at high press speeds. AF-9000 Plus also assists in keeping plates, metering rollers and dampening components cleaner, thereby supporting reliable press performance and reduced maintenance.

FEATURES AND BENEFITS

- Formulated for completely IPA-free press operation
- Suitable for sheetfed and heatset web offset presses
- Compatible with Alcolor, Rolandmatic, Komorimatic, Ryobimatic and similar continuous dampening systems
- Produces a thin, uniform and stable dampening film
- Delivers rapid wetting at low water settings
- Maintains low dynamic surface tension at high press speeds
- Promotes optimum and controlled ink emulsification
- Provides stable ink-water balance throughout the print run
- Helps achieve faster start-up and quicker colour stabilisation
- Reduces scumming, tinting and non-image-area sensitivity
- Helps minimise paper waste during start-up and press stoppages

DIRECTIONS FOR USE:

Shake or mix the product before use if required. Add AF-9000 Plus to clean water while circulating the solution. Measure the concentrate accurately; do not dose by estimation. Record the conductivity of a freshly prepared solution as the operating reference. Monitor concentration with a calibrated dosing system or conductivity meter. Maintain the fountain solution at the lowest water setting that produces clean, stable printing. Replace contaminated solution and clean the circulation system periodically.

Water Quality:

For optimum performance, use clean and consistent-quality water. Excessively hard, soft or high-alkalinity water can affect the pH, conductivity and wetting behaviour of the prepared fountain solution. Where water quality varies considerably, the use of treated or reverse-osmosis water with controlled hardness is recommended. Avoid using completely demineralised water without suitable remineralisation, as this may cause unstable press performance.

Technical Data Sheet

PACKING :

05 LTRS X 4 pcs
25 Ltrs Cans
210 Ltrs Barrels
1000 Ltrs Tote Tanks

Parameter	Recommended range
Dosage	4-5%
Starting dosage	3%
Working pH	4.8 - 5.3*
Fountain temperature	10 - 15°C
IPA requirement	Nil under properly controlled press conditions

HMIS® RATING	
HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	1
PERSONAL PROTECTION	B
RATING SCALE 4 = SEVERE HAZARD 3 = SERIOUS HAZARD 2 = MODERATE HAZARD 1 = SLIGHT HAZARD 0 = MINIMAL HAZARD	
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