

ALPHA™ CFS TECHNICAL DATA SHEET

Description

ALPHA™ CFS Complete Fountain Solution is on the forefront of the latest innovations in high performance, one-step, complete fountain solutions. ALPHA™ CFS is extremely versatile, low VOC and performs well with UV and conventional inks and works on multiple press types and press sizes. Its special formula helps prevent the build up of calcium, clay and paper fibers on rollers and blankets, resulting in cleaner, sharper print without the need for alcohol or an alcohol substitute.

This high quality fountain solution will increase your inks print quality and improve your overall efficiency and output making it a real asset to your pressroom.

Application Information

Safety First - Review Safety Data Sheet (SDS) and secure proper Personal Safety and Protective Gear.

To Use:

1. The dampening system must be cleaned and flushed before using ALPHA™ CFS.
2. Mix at a ratio of:
 - Sheet Fed:** 4.0 to 4.5 ounces of ALPHA™ CFS per one gallon of water - 4.0 - 4.5 oz / 1 Gallon.
 - Web:** 3.0 to 3.5 ounces of ALPHA™ CFS per one gallon of water - 3.0 - 3.5 oz / 1 Gallon.
3. ALPHA™ CFS conductivity should be in a range of 900-1400 above water
4. Because ALPHA™ CFS contains no organic solvents, ink emulsification is reduced. The resulting print shows sharpness, gloss, and accelerated drying.
5. ALPHA™ CFS does not require R.O. or refrigerated water.
6. Check all roller settings against manufacturer's specifications. Start ink setting at a level that is 15% below normal setting and keep stripes to the light side of specs.
7. If problems appear, check Shore A hardness of rollers.

Typical Properties of ALPHA™ CFS

VOC = 65 grams/liter

Color = Amber/Tan

Odor = Mild Acidic

Advantages and Benefits

- ALPHA™ CFS is very low VOC. No organic compounds such as alcohol or alcohol substitutes are in the fountain solution, meaning a safer pressroom environment.
- ALPHA™ CFS eliminates the dependency of having to add dangerous alcohol or alcohol substitutes; they are not needed.
- ALPHA™ CFS works efficiently with all types of inks on all types of presses, including sheet-fed, cold and heat-set webs and duplicator presses that use both metal and poly plates.
- ALPHA™ CFS is specially formulated to keep the dampening system cleaner than other fountain solutions do.
- Inks print stronger and usually have to be cut back when using ALPHA™ CFS. The result is denser blacks, brighter colors, and less use of ink which lowers your production costs.
- ALPHA™ CFS allows for quicker and cleaner start-ups.
- Inks dry faster with ALPHA™ CFS. Without alcohol or alcohol substitutes to break down the ink, less water is emulsified resulting in faster drying ink.
- ALPHA™ CFS does not contain chrome, phosphates or ammonia bichromate.

Packaging

ALPHA™ CFS is available in quantities of 1 gallon, 5 gallons and 55 gallons.