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Hi Solid H₂ Only Process

- **HI SOLID H₂ ONLY PROCESS INKS** - are designed to print by the lithographic process with **PLAIN TAP WATER** in the dampening system. The need for fountain chemistry is virtually eliminated. The ink carries the chemistry required to desensitize lithographic plate background and provide lubricity in the press.
- Successful printing has been accomplished with a wide range of water sources with conductivity from near 0 up to 600-700.

BENEFITS FROM H₂ ONLY PRODUCTS

- Ink/water emulsification is controlled giving an exceptionally wide balance window
- Inks are not impacted by solvents, surfactants, acids, metal complexing agents, etc. contained in fountain solution chemistry
- Fewer variables in the press room

HI SOLID H₂ ONLY PROCESS INKS:

- Have Low solvent - Less than 5%
- Are suitable for use on non-porous substrates including:
 - Tyvek™ • Yupo™ • Foil • Styrene
- Have reasonable set speeds on coated stocks
 - W&T in 15 - 30 minutes on medium heavy ink films
- Are fully imprintable
- Are compatible with standard press room ink additives
- Are Foil Stampable and UV coatable off-line with or without aqueous primer
- Are suitable for most post-printing laser imprint applications

START-UP SUGGESTIONS

Normal press conditions should be maintained with **ONE EXCEPTION:**

Fountain solution chemistry actually increases the viscosity of water. When this chemistry is removed from the water, a lower viscosity results in the dampening system carrying a thinner film of fluid to the plate.

To maintain adequate water feed rate to the plate adjustments should be made either to the feed rate adjustment or roller nip pressures to attain approximately 20% higher feed rate compared with "normal" for the press.

In order to get adequate chemistry extraction from the ink to desensitize the plate background, we suggest starting with a "wet" plate. Once up and running, a normal plate appearance should occur.

PRE-TESTING ON ACTUAL SUBSTRATE IS ALWAYS RECOMMENDED

Due to variations in stocks and other variables inherent in the printing process which are beyond the control of the ink maker, we cannot assume any responsibility for the final outcome of the printed job.

PLEASE CALL OUR TOLL FREE NUMBER FOR MORE INFORMATION

1-800-BUY-N-USA

1-800-289-6872

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