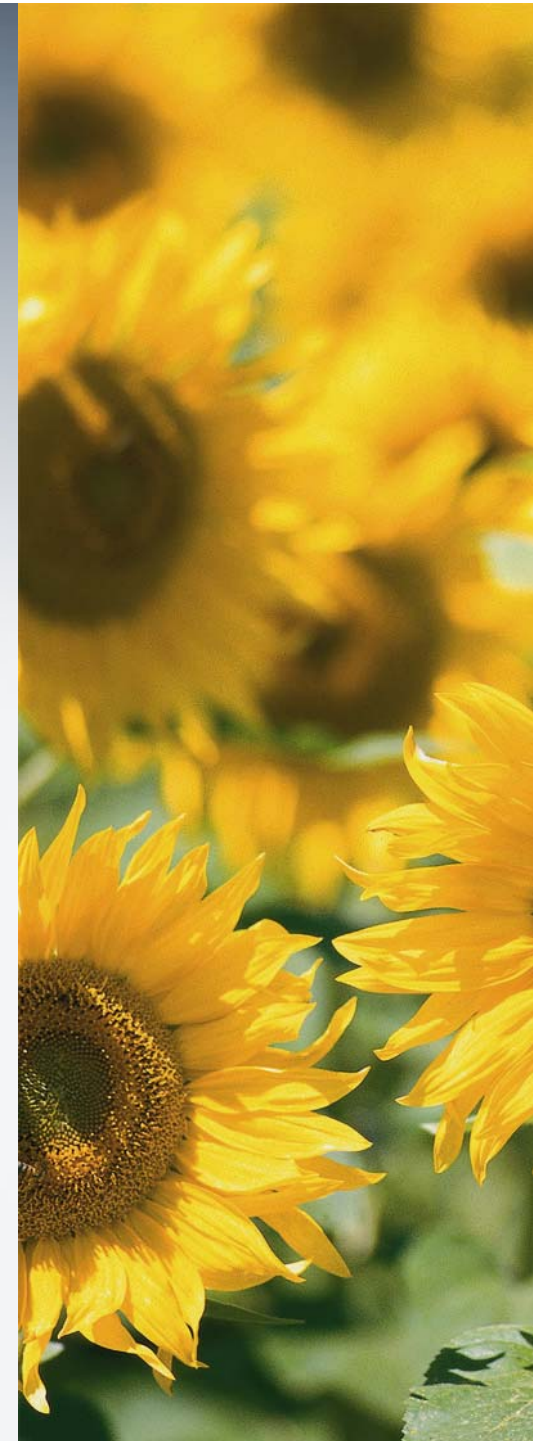


HydroSOY

Water based ink made
from renewable resources



HydroSOY

Properties

- Made from renewable resources, soy inks are safe and sustainable.
- Outstanding Color strength
- Superior printability and print quality
- Optimized to exhibit excellent press stability
- Clean printing throughout long runs
- Optimum print viscosity, no foaming and first class drying speed
- Allows printers to run longer and have less need for press side maintenance than other water based inks on the market



HydroSOY

Portfolio

- Process colors
- Pantone Basic Colors
 - HSYXXXXX
- Extender
 - HSY00061 as needed to reduce color strength



HydroSOY

Density – Process inks & others

- **Process Printing (HSY Process)**
 - 4 color densities matched with 600 – 800 l/cm; 1,5 – 2 BCM anilox
- **Line & solid printing (HSY Pantone inks)**
 - Pantone colors matched with 350- 450 l/cm; 3,2 – 4.0 BCM
- **Compatible with majority of Flexo plates available in market**



HydroSOY

Printing Parameters

- Process Printing: up to 300 feet / min.
- HydroSOY remains open with sharp dots over long runs as long as pH is maintained between 9.0 and 9.5
- Temperature of the dryer should not be lower than 80° F (27° C) and it is important to maintain good air flow in order to prevent humid air from remaining in the dryer. Presses equipped with both IR and hot air dryers may allow for higher press speeds



HydroSOY

Printing Parameters contd.

- Printing Presses
 - Inks will work on all existing narrow web Flexo presses.

- Doctor Blades / Plates
 - Doctor blades are strongly recommended.
 - Chambered or conventional blades can be used.
 - Anilox rollers with a cell angle of 60° will improve the transfer of ink from cell

- CLW00001 is *recommended* Cleaner

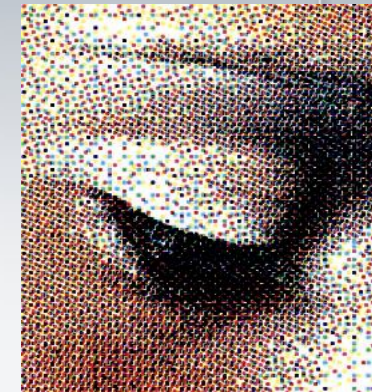


Improve profit for printers through HydroSOY

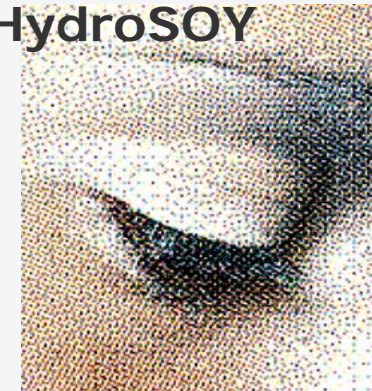
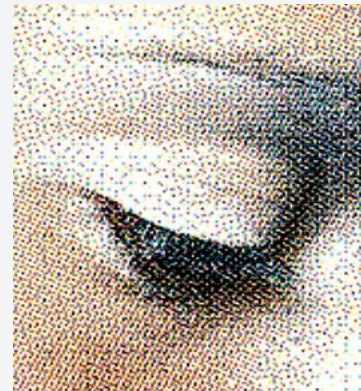
- Quality From First Impression – To the last!
 - First print is of highest quality
 - Print quality remains throughout run
 - Profit is improved as more sellable labels are produced per hour
 - Quicker set up allows more jobs on same equipment



Std WB Ink



HydroSOY



Start

After 100 000 feet



WB flexo

Press stable vs “normal” Water based flexo

- Less dot gain / dot spread
- Sharper text / lines (positive as well as negative)
- Consistency in print quality throughout the run.
- Similar water resistance and chemical resistance
- Similar adhesion and scratch resistance to filmic substrates.
- Saves cost for the printers.



Waterbased flexo



Material	HydroSOY	Hydrofilm	Thermokett
PE	•	•••	•
Paper	•••	••	•
PE TC	•	•••	••
PP	•	•••	-
PP TC	••	•••	•
PVC	•	•••	-
PET	•	•••	-
BOPP	•	•••	-
••• Highly recommended • Limited use - Not recommended			



HydroSOY

EHS information

- An eco-friendly ink – meets with Soy Seal of Approval
- Complies with TSCA
- Complies with CONEG, ASTM F963-96a
- Dispose in accordance with local regulations
- Material Safety Data Sheets available upon request
- Contact HSE department for further information



HydroSOY

- Good Color Strength and press stability
- Press ready
- Higher densities allows to print with finer anilox and less ink usage
- Consistent print quality between jobs.
- Low viscosity and no foaming even at high press speeds

