



# HYDROSOY™ INK SYSTEM

**A WATER BASED FLEXO INK BASED ON RENEWABLE RESIN TECHNOLOGY, WITH HIGH PRESS PERFORMANCE COMPLIANT WITH SUSTAINABILITY IDEAS EMBRACED BY LEADING END USERS WORLD WIDE**

## HYDROSOY™ Ink System has:

- High color strength
- Great printability and dot reproduction
- Low viscosity, low foaming
- Sustainable ink, made partially from renewable resources
- Good press stability
- Easy maintenance and clean up
- Meets Soy Seal™ approval

## HYDROSOY™ Ink System:

Can be used in all flexographic print units provided the ink is dried with hot air or IR dryers in combination with air stream blowing on web. Can be used with negative doctor blade as well as in a chambered doctor blade system.

## Suitable for a wide variety of applications:

- Self adhesive labels (coated & uncoated papers)
- Cartons (carton boards)
- Tags
- Recommend a coating or laminate for protection of the ink based on application

Can be hot foil blocked and thermal transfer overprinted.

### Properties

- High color strength and excellent mileage
- Good press stability
- Fine printability, good dot sharpness
- High printing speed
- Easy maintenance and clean up
- Based on sustainable/renewable raw materials.

### Benefits

- Improved print result
- Consistent high print quality
- Higher quality labels
- Improved productivity
- Faster press change overs, higher productivity
- Environmentally friendly, sustainable
- Compliant with stringent end user demands for sustainability compliance

## Availability

- Full range of Pantone® basic colors
- 4 color process set

The information contained in this brief product presentation is based on the long experience of XSYS and on internal standardized tests. It is not to be interpreted as a warranty or guarantee in any form as conditions beyond our control can affect the quality of the printing. If there is any doubt, the user should always make every effort to ensure that the products used are appropriate for the purpose.

- very suitable
- suitable
- usable
- not suitable

HYDROSOY™ Ink System	
Printing speed	100 - 400 ft/min
Anilox Volume*	
Line & Solids Printing	3 - 5 bcm
Process Printing for Strong System	1.5 - 2 bcm
<b>Printability</b>	
Process	•••
Solids	•••
Press stability	•••
<b>Material suitability</b>	
Paper	•••
TC thermal papers	•
TC filmic substrates	•
Filmic substrates	-
Resistance properties	Recommend coating or laminate
Chemical	-
Water	-
Solvent	-
<b>Combination printing</b>	
UV flexo	••
Water-based flexo	•••
UV letterpress	••
UV flexo varnish	•••
<b>Variable info printing</b>	
Thermal overprinting	-
Thermal transfer	•••
Hot foil	••
Cold foil	••
Laser overprinting	•
Ink Jet overprinting	••
<b>Lamination with</b>	
Radical adhesive	•

\*Anilox volume is expressed in theoretical volume of anilox roller to obtain process density or to match Pantone® shades.



For more details on HydroSOY™ Ink System,  
call your nearest Flint Group Narrow Web office or dealer.

## Flint Group Narrow Web

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