



# GSN8 Series Water Based Ink

## 【Product description】

Main component of this ink is water based acrylic resin, this product has low odor, low solvent residue, wide range of application. This product is suitable for cigarette package, labels for wine gravure printing ink.

## 【Application】

- ❖ Cigarette package coated paper, cardboard
- ❖ Pre-coated aluminum foil, pre-coated cellophane.
- ❖ Normal packaging papers

## 【Product features】

- ❖ Water based, environmental friendly, low odor and low VOC
- ❖ Vivid, saturated and high strength colour
- ❖ Comparable good colour spread to solvent based ink, good printing performance, suitable for low, medium and high speed printing
- ❖ Good shallow cell printing performance, good colour overlay, low film forming temp. good gloss
- ❖ Minimum amount of foam within ink, good leveling, no ink surface shrink
- ❖ Good anti blocking resistance, good bronzing performance
- ❖ Good stability, good ink flow, stable and consistent viscosity

## 【Printing condition】

- ❖ Recommended viscosity: 14-25 seconds Zahn #2 (Actual printing viscosity depend on printing condition)
- ❖ Printing cell parameters: 200 lines, cell depth 20-30 micron
- ❖ Drying temp.: 90 °C or above, double drying oven and good ventilation is recommended



- ❖ Recommended printing speed: 80-150 m/min

### 【Dilution】

Drying speed \ Solvent	Water	Anhydrous ethanol
Fast	20	80
Medium	50	50
Slow	80	20

### 【Standard Color】

GSN8911 Varnish	GSN8313 Transparent yellow	GSN8206 White
GSN8307A Original yellow	GSN8404 Original red	GSN8408 Ruby red
GSN8402 Red	GSN8406 Golden red	GSN8420 Transparent red
GSN8701 Orange	GSN8503 Original blue	GSN8102 Black

### 【Precautions】

- ❖ Before viscosity adjustment, please mix water and ethanol separately and add in slowly with mixing. Alcohol based solvent should not be added directly into the ink as this might cause agglomeration issue
- ❖ Water based ink has poor dissolvability when dried completely, please ensure the printing roll is in motion after printing is complete to make sure the ink does not dry up. If printing cell is blocked, please use water and ethanol mix with washing powder to clean the cell, use ethanol to wipe clean the printing cell. Please be aware the cleaning liquid might mix with printing ink

### 【Disclaimer】

The data shown in this document is based on actual production and test result generated within our company. Above data is only for reference and does not bear any legal guarantee responsibilities. Whether actual ink performance can meet user's requirement depends on application conditions and substrate etc. We suggest that users should access whether current production conditions meet the application requirement of each product before printing. Since we cannot control the actual application and storage conditions, we cannot guarantee the final product performance. All product sales subject to our standard sales terms and conditions.