



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】

This specification is in accordance with the actual production and test results, whether the product could meet your process requirements depends on application conditions and printed material. We recommend the users to assess if the product can meet all their requirements before production. Since we cannot predict or control your printing condition, the product performance cannot be guaranteed all sales are subjected to the standard terms and conditions of the sales control division.