



WS Water Base Surface Print Ink

【Main components】

- ❖ Resin: Water based acrylic resin
- ❖ Solvent: DI water/ alcohol
- ❖ Additive: Synthetic wax
- ❖ Pigment; Organic/ Inorganic Pigment

【Application range】

- ❖ Printing substrate: Surface tension ≥ 38 dyne PE, PP
- ❖ Package: Non laminating package, sanitary package
- ❖ Printing speed: 30~150 m/min

【Product feature】

- ❖ Good stability, no separation, colour fade and gelation after use and prolonged storage
- ❖ Good compatibility with different dilution ratio
- ❖ Good solvent release, low odor, low residue solvent
- ❖ Balanced gloss, smoothness, anti blocking, scratch resistance, shallow web ink transfer performance

【Dilution Ratio】

Drying Speed solvent	fast	medium	slow
Deionised water	30	50	100
Ethanol	70	50	-



【Storage & Safety】

- ❖ Store and use between 0-40 °C
- ❖ Avoid contact with skin and eyes during operation, for more details please refer to “Ink health and safety instructions”

【Notices】

- ❖ Add solvent with stirring to avoid localized excess dilution which might cause pigment agglomeration
- ❖ Use ink dispenser to avoid ink from forming peel, to maintain consistent colour hue
- ❖ Add small amount of ink over a few times can enhance ink stability
- ❖ Check particle size of old ink before use, use 200T filter net to filter and blend 10-30% with new ink

【Precaution】

- ❖ Ink dilution depends on printing speed. Excess dilution will cause thin dried ink film which will decrease scratch and rub resistance. Decrease ink concentration with varnish
- ❖ Ink will set when temp. below -10 °C, ink can be re melted with hot water or steam (around 20 °C) to restore normal form. Avoid naked flame
- ❖ Not meant for lamination and heat seal
- ❖ Above data were obtained by our company, result might vary with different substrate and process, please confirm before use

【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.