OS Water Based Surface Print Ink

【Main components】

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

【Application】

- Printing substrate: Surface tension ≥38 dyne shrink PE
- Package type: Light packages for non-lamination purpose; drinking water and soft drink package
- Printing speed: 30~150 m/min

【Product feature】

- Good stability, no separation, colour fade and gelation after storage and use
- Good tolerance to different dilution ratio
- Good solvent release, low odor and low solvent residue
- Balance performance on gloss, smoothness, anti-block, scratch resistance, shallow cell transfer
- Good heat shrink performance and water rub resistance

【Dilution】

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

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【Storage & Safety】

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

【Operation】

- Add solvent with stirring to avoid rapid localised dilution which might cause pigment agglomeration
- Using ink dispenser can avoid ink from forming peel, maintain stable colour hue
- Ink stability can be achieved by addition of small amount of inks over many times
- Check particle size of old ink before use, use 200T filter net to filter old ink 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 strength and rub resistance. Use varnish to decrease concentration
- Ink will set at -10 ºC, use hot water or steam (around 20 ºC) to restore flowability, avoid naked flame
- Above data are obtained by our company, result might vary with different substrate and process, please confirm before use

【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.

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