



UV Curing overprint varnish

【Product description】

- ❖ This product covers solvent-base and environmentally friendly solvent-free products, and meet the VOCs emission requirements of packaging and printing of different customers.
- ❖ Four categories of products: anti explosion, abrasion-resistant, comprehensive and non-primer UV oil.
- ❖ It has UV dumb oil, low odor, yellowing resistance, reverse surface oil, bronzing, LED curing and other characteristic UV oils to meet the needs of customers with different characteristics.

【Specifications】

- ❖ Appearance: Light yellow transparent or turbid white liquid
- ❖ Viscosity: 20~150 Second (Flow cup - 4 ,25°C)

【Main components】

- ❖ UV resin
- ❖ active diluent
- ❖ photoinitiator
- ❖ additives

【Applicable machine】

- ❖ printing line, local anilox roller oiler, roll coating oiler
- ❖ packaging, books, covers, picture albums, trademarks, advertisements, wall calendars, large decorations, poster paintings

【User's guidance】

- ❖ Used in printing machine, coater, local coating machine and other polishing methods.



- ❖ Directly used without addition of solvent. When applying OPV on thin paper post print, “paper curl” might occur due to high viscosity, to solve this issue UV OPV can be heated to 40~45 °C or add $\leq 5\%$ ethyl acetate or toluene for dilution.
- ❖ UV light intensity above 60 mJ/ cm² for curing.
- ❖ Suggested the OPV quantity to be 3-5g/m². The actual quantity can be adjusted according to the thickness of printing paper and ink.
- ❖ Recommended to use our company's special washing solution or IPA as cleaning solution.
- ❖ Use together with our UV primer can obtain good adhesion, brightness, abrasion resistance and other properties.

【Packing and storage】

- ❖ Package and packing specification: iron can, net weight 20kg, 200kg.
- ❖ Storage conditions and shelf life: above 0 °C (product does not freeze), below 37 °C, 12months.

【Precautions】

- ❖ Clean OPV tank regularly to avoid dust and ink. Check doctor blade, rollers to ensure a clean scrape
- ❖ Some inks (such as light blue, peach red, etc.) will react with UV OPV, resulting in poor adhesion or discoloration, please be attention.
- ❖ Sealed and stored in a cool, dry, ventilated place, and away from naked flame. Avoid direct sunlight and heat source to avoid gelation.
- ❖ The above data are from the laboratory and are for reference only. Due to different substrate and production process, please test the adaptability of the product according to your specific requirements before large scale production.

【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.