

UV Varnish

UV HJK Proof Printing Varnish

"UV HJK Proof Printing Varnish" series UV curing varnish is applied to underlying layer of UV coat varnish for para-embossing process. It can be used for offset lithographic printing.

■ Features

- ▶ Facilitates adjustment of para-embossing effects.
- ▶ Adhesiveness to upper layer is excellent and robust against scratch-off.

■ Products and their Properties

Following 3 products of varying embossing effects and printing methods are available.

Product Name	Repelling Strength	Embossing Effect		
		Inline UV Between Units	No Inline UV Between Units	Offline
UV HJK Proof Printing Varnish G	Strong	A	C	—
UV HJK Proof Printing Varnish K	Medium	B	—	—
UV HJK Proof Printing Varnish ON-DRY 2 H	Weak	—	—	B

■ Handling Instructions

- ▶ A scratch can cause para-embossing portion of UV coat varnish to come-off when proof-printing varnish is over-dried. Apart from the ordinary print time tests with adhesive tape, make sure to confirm this. Sometimes it is necessary to make minute adjustments to achieve the desired repelling strength. Further, printing conditions also affect the repelling strength. Refer to following when making minute adjustments.

《Examples of Printing Conditions》

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| ① Printing speed | ... Slower printing speed yields good repelling strength and granule tends to be small. |
| ② Amount of UV irradiation | ... Stronger irradiation yields good repelling strength and granule tends to be small. |
| ③ Amount of proof-printing varnish | ... Relatively larger amount yields good repelling strength and granule tends to be small. |
| ④ Amount of UV coat varnish | ... Relatively smaller amount yields good repelling strength, granule and unevenness tend to be small. |
| ⑤ Viscosity of UV coating varnish | ... Lower viscosity yields good repelling strength and granule tends to be small. |
| ⑥ UV coating varnish printing pressure | ... Lighter pressure yields good repelling strength and granule tends to be small. |



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- ▶ The data contained herein are based on the results of the tests conducted in accordance with the in-house test methods, and are not standard values. Always conduct pre-use tests to ascertain the suitability of the product to your requirements. Nothing contained herein is to be construed as a recommendation for use in violation of any patents, applicable laws or regulations. It is the responsibility of the user to comply in all respects with applicable laws and regulations.
- ▶ Owing to product improvement the information contained herein may be modified without any prior notice.
- ▶ Make sure to read MSDS thoroughly before using the product.