

## UV Varnish

### UV Rub Resistant Matte OP Varnish BL

"UV Rub Resistant Matte OP Varnish BL", UV curing matte OP varnish, is used in various printing presses like offset lithographic, resin letterpress, and dry offset. This UV varnish offers the best rub resistance among the UV Matte OP varnishes.

#### ■ Feature

- ▶ Whereas most Matte OP varnishes lack in rub resistance, this Matte OP varnish offers excellent rub and scratch resistance.
- ▶ Enables well balanced matte effects.
- ▶ Excels in UV curing.
- ▶ It is a "UV L Carton" type varnish and cannot be used over oil based inks.

#### ■ Properties

Tack Value	Flow Value(D60)	Slide Angle (Printed material)	Gloss Value
3.4 ± 0.3	36 ± 3 mm	20° or so	15

Tack Value : Ink-O-Meter, 400rpm, Water temperature 38°C, 1minute value Flow Value: Spread-O-Meter, Room temperature 25°C, spread diameter after 1 minute. Slide angle and gloss value vary depending on drying condition, stock, and ink used for underlying layer.

#### ■ Handling Instructions

- ▶ Pay attention to excessive application of UV matte OP varnish. Less the amount of varnish applied the better the matte finish is.
- ▶ Sometimes sufficient matte finish is not achieved when on-wet printing is done on under-print inks. Basically, first UV cure the under-print ink and then apply matte OP varnish.
- ▶ It cannot be used when oil-based ink is used for under-print.
- ▶ Slip property varies depending on conditions like paper quality, curing, and humidity. Use the data given above for reference purpose only.
- ▶ It is not suitable for foil stamping and gluing. Do not print on the part to be processed as such.
- ▶ Produced by adding a slip agent, "UV Rub Resistance Matte OP Varnish BL-S" with more rub and scratch resistance is also available.



- ▶ 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.