

UV Varnish**UV Matte OP Varnish 3H**

"UV Matte OP Varnish 3H" 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 matte finish among the UV Matte OP varnishes.

■ Features

- ▶ Enables the best matte finish among the UV Matte OP varnishes.
- ▶ Foil stamping is possible for certain foils.
- ▶ Its adhesiveness is comparatively good and it is widely used for paperboard, aluminum-laminated paper, and PVC films, and it can also be used for overprinting on UV hybrid and oil-based inks.
- ▶ It is also used as a medium for pencils and oil-based ball pen.

■ Properties

Tack Value	Flow Value (D ₆₀)	Slide Angle (Printed material)	Gloss Value
4.0 ± 0.5	36 ± 3 mm	25° or so	10

Tack Value: Ink-O-Meter, Water temperature 38°C, 1minute value, 400rpm.

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 with UV inks as under-print inks. In such cases first UV cure the under-print ink and then apply matte OP varnish.
- ▶ On-wet printing method should be used when oil-based inks are used for under-print. It will not adhere if on-dry printing method is used.
- ▶ Slip property varies depending on conditions like paper quality, curing, and humidity.
- ▶ It can also be used as a "UV 161" type matte medium.



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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.