

UV Varnish

UV Flexographic Matte Varnish Z

"UV Flexographic Matte Varnish Z", a UV curing matte varnish used in flexographic printing presses, was developed to give a matte finish to printed materials.

■ Features

- ▶ Excels in drying property.
- ▶ Excellent matte finish.

■ Properties

Physical : Pale yellow transparent liquid.

Viscosity : Approximately 200mPa · s (ICI Viscometer 25°C)

Fire Service Law : Hazardous material type 4, type 3 petroleum product (Hazardous Class III)

Gloss Value (printed material) ※ : Approximately 25

Slide Angle (printed material) : Approximately 15 °

※ Matte finish varies depending on undercoat ink condition and the amount of varnish applied. Similar to other matte varnishes, the less the amount of varnish applied, the better the matte finish is.

■ Usage

- ▶ Use UV inks for under print.
- ▶ Useable in both doctor-blade and two roll types flexographic printing presses.
- ▶ Primarily applied to paper containers and primer coated labels.

■ Handling Instructions

- ▶ Do not expose to direct sunlight.
- ▶ Store in cool and dark place (below 30°C).
- ▶ Sometimes matte constituents subside to the bottom, stir well prior to use.
- ▶ It does not adhere well to certain stocks and under-print inks, conduct tests prior to use.
- ▶ Post print processing, such as gluing and foil stamping, is possible in certain conditions. However, select the glue or foils to be used and conduct pre-use tests to determine applicability.
- ▶ Physical properties are affected by the printing conditions. Before proceeding, make sure to test required physical properties (adhesiveness, smoothness, blocking resistance, etc.) on a printed material printed by the machine to be actually used. Since it is a matte varnish, pay special attention to rub resistance.
- ▶ Leaving a non-absorbent stock print outdoor, or exposing it to water (including dew) causes adhesiveness to

deteriorate to the extent that the printed object will peel-off even by a nail scratch.

- ▶ It is developed to not cause any adverse effects on human body. However, in case of some people, leaving the varnish on body or clothes for long time may cause rash. Wear protective gear when handling, and wash your hands after completing the job.



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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.