

TECHNICAL DATA SHEET

Product code & description:

UVS7002 L _ WESTACURE SCREEN UV COATING FOR MATT LAMINATION

Application:

UUS7002 L - WESTACURE SCREEN UV COATING FOR MATT LAMINATION is a UV curable overprint varnish designed for screen application. Product has a very adhesion, good gloss, flow and leveling characteristics when spot printed on OPP film laminated (matt or gloss) boards to create 'matt – gloss contrast' decorative finish.

Key Properties:

- Excellent Adhesion
- Excellent Matt – Gloss contrast effect
- Good Flow & Levelling
- High abrasion & Good chemical resistance
- Water Repellent

Substrate:

This product can be used for OPP film laminated (matt or gloss) boards. The laminated surface is generally pretreated by corona discharge to improve lay or wetting properties of subsequent coatings. This treatment may vary from batch to batch, or wear off gradually on aging, making varnishing difficult. Generally, a surface treatment level of at least 36-38 dyne/ cm is required for varnishes to have good lay and adhesion. Substrate suitability and adhesion should always be confirmed prior to use.

Printing materials:

Fine synthetic mesh should be used. A mesh count between 150-180 threads/cm will ensure correct varnish deposits and full cure. Medium / Hard and sharp edge squeegee to be used.

Coverage:

Mileage will vary considerably according to the grade of mesh used. As a guide the following figures can be expected.

150 T -	95m ² /kg
165 T -	105m ² /kg
180 T -	115m ² /kg

Instructions for Use:

Stir well before use

- | | |
|-----------------------|--------------------------------|
| • Application | Screen |
| • Viscosity | Ready for use |
| • Varnish coat weight | 4 — 7 gsm (as per requirement) |
| • Cleaning | Immediately with any UV wash |

Curing:

This Screen coating converts into a solid film by radical polymerization initiated by UV radiation in the range of 200 - 400 nm. Capacity of the lamp is 80 -120 watts/cm.

Machine Speed:

Depends on the Type and age of the lamp.

Screen Stability:

This screen coating will normally remain unchanged in the screen for long time. Hence it is important to shield screens from direct light if the varnish is to be left on the press for long periods. Protection from dust is also advisable.

Technical Characteristics:

Color Appearance:	Clear transparent liquid
Viscosity by Rotothinner@30°C:	6 ± 1 Poise
Density:	1.1 – 1.2
Volatility:	0 %

Product safety:

UV products are generally considered to be non-toxicological. However, during handling and use, avoid inhalation of vapor and direct eyes or skin contact. It can be irritating, wash and rinse immediately with soap & water. Protective eyewear and latex gloves are recommended while using this product. Refer MSDS for additional handling and safety information.

Shelf life:

UVS7002 L is stable for 6 months when stored in its original container at temperatures between 5°C and 25°C, away from direct sunlight. Contaminated material should not be returned to the original container or re-used.

Cleaning:

Clean the rubber roller, steel roller, anilox roll and other equipment with recommended cleaning agent, after use.

Packaging:

This product is available in 1Kg plastic container.

NOT SUITABLE FOR DIRECT CONTACT FOOD PACKAGING

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