

Technical Datasheet

TERRAEFFEKT UV Drip Off Primer 1120

27.10.2021

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Product description

UV primer with a high reactivity for LED-UV applications with LED-spotlights (wavelength 385 nm to 395 nm) to get glossy-, matt and/or trickle down effects (drip off) in combination with a suitable overprint varnish. The effect depends on the used material, the combination of primer and coating, their film weights and the intermediate curing of the primer.

Material characteristics

- Viscosity: pasty

Application (End Uses)

- Commercials (Brochures)
- Folded boxes (Other non-food, Personal Care)
- Publications (Dust jackets)

Processes

- Sheet-fed offset, ink duct (fountain solution)

Substrate

- Coated board
- Coated paper
- Cast-coated substrates

Processing recommendations

- UV: The property profile of the coating film is given in case of a complete curing. The curing depends on the efficiency of lamps, life of UV lamps, machinery speed, general conditions of the UV unit (reflectors, etc.), temperature and the distance from the UV unit to the substrate. We recommend to clean regularly the reflectors and

- if necessary - to change the lamps in case of a drop in lamp efficiency.

- The optical appearance of the matt, glossy or trickle down effect is defined in the last ink duct of the offset printing plate and depends on film weight of primer and following coating. The uncoated areas are coated with primer and applied on the sheet. The areas which should appear glossy aren't be coated. The effect varnish is applied in the last ink duct. In the following coating unit a suitable coating will be applied full area with a suitable coating plate. Rejections and trickle down effects appear on areas where the sheet is coated with primer. Small coating drops are the result which form an open and uneven coating layer where the light is reflected irregularly and it appears matt then. On the uncoated areas (free of primer) the gloss coating creates an even coating film. The full area overcoating with a gloss coating offers a sufficient rub resistance also on the areas which appear matt.
- Stir well before use!
Mechanical stirring is recommended.
- The total structure of substrate/printing ink/varnish must be cured sufficiently before processing and should be checked during the process.
- For the further processing of the sheets under mechanical strain and/or the influence of humidity, a suitable high basic stability of the substrate and used printing ink is provided.
- The printing inks should be suitable for coating. The

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resistance against alkali, alcohol and solvents should be given in accordance to DIN ISO 2836, former DIN 16524, to exclude any colour change.

- Glue flaps should be uncoated.
- Since the LED wavelenght from 385 nm to 395 nm is close to the visible light spectrum, the liquid coating must be protected from daylight.

operations and processes they do not release from own tests and examinations under customer-specific circumstances.

- If an application is intended to be made under different conditions than those specified in this sheet, we only assume liability after having examined the respective different conditions.
- This data sheet does not claim to be complete.

Cleaning instructions

- Please clean machine and tools immediately with alcohol. Dried film clean up with TERRAGLOSS CLEAN Cleaning Agent G 13/160.

Storage instructions

- Applies to closed original containers at 5°C up to 30°C.
- Shelf-life 6 months
- Place under the exclusion of light.
- Do not pollute the varnish with washing water, cleaning agent or other varnishes.
- Keep from freezing, heat and solar radiation.

Disclaimer

- We reserve the right to change product characteristics due to technical progress, amendment of applicable law and mandatory production-related needs.
- All information provided on this product (in this sheet or elsewhere) are made to the best of our knowledge.
- All information are technical quality descriptions, advisory and due to the wide range of materials, production conditions,