

Technical Datasheet

04.03.2021

TERRAEFFEKT UV Drip Off Primer 1235

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Product description

UV primer 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.

Packaging Inks" and the Swiss Ordinance (SR 817.023.21 - ordinance of the Swiss Confederation on materials & articles in contact with food)) we ask you to contact our department for quality, environment and product safety. T: +49 (0) 5132 5009-140 mail to: QUM.ACTEGA.Terra@altana.com

Material characteristics

- Viscosity: pasty

Application (End Uses)

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

Processes

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

Substrate

- Coated board
- Metallized substrates
- Cast-coated substrates
- Coated paper
- Aluminum foil laminated substrates

- Rearside PE coated board

Legislation assessment

- The direct contact to foodstuff is not admitted. Using an absolute barrier the indirect contact is admitted. For information about the food legislation assessment of this product (e. g. demands on the Nestlé "Guidance Note on

Processing recommendations

- 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.

- Stir well before use!
Mechanical stirring is recommended.

- The characteristics profile of the coating is given for the case of complete curing. The curing depends on the efficiency of the lamps, the press-speed, the general conditions and integrated optics of the LED-unit and the distance from this unit to the substrate.

- The complete property profile of the coating film is given in case of a complete drying.
- The total structure of substrate/printing ink/varnish must be cured sufficiently before processing and should be checked during the process.

- 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

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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.

- Glue flaps should be uncoated.
- The printing inks should be suitable for coating. The resistance against alkali, alcohol and solvents should be given in accordance to DIN ISO 2836, former DIN 16524, to exclude any colour change.
- The complete property profile of the coating film (with regard to rub resistance and slip properties) is given after 24 hours in case of a complete curing.

Cleaning instructions

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

Storage instructions

- Shelf-life 12 months
- Place under the exclusion of light.

- Applies to closed original containers at 5°C up to 30°C.
- Keep from freezing, heat and solar radiation.
- Do not pollute the varnish with washing water, cleaning agent or other varnishes.

Disclaimer

- This data sheet does not claim to be complete.
- 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.
- 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, operations and processes they do not release from own tests and examinations under customer-specific circumstances.
- We reserve the right to change product characteristics due to technical progress, amendment of applicable law and mandatory production-related needs.