

Technical Datasheet

23.09.2021

TERRAEFFEKT Drip Off Primer 1680

1 / 2

Product description

Oil based printing varnish to get glossy-, matt and/or trickle down effects by the inline coating with water based coatings in offset printing machines with integrated coating unit. The effect depends on the used material, the combination of primer and coating and their film weights.

matt
oxidativ drying

Material characteristics

- Viscosity: pasty

Application (End Uses)

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

Processes

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

Substrate

- Coated board
- Coated paper
- Cast-coated substrates

Processing recommendations

- Recommended film weight: 1 – 2 g/m²/wet
- 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.

- Glue flaps should be uncoated.
- 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.

- Recommended pile temperature: not > 35°C
- 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 complete property profile of the coating film is given in case of a complete drying.

Cleaning instructions

- Please clean machines and tools with commercial cleaning agents.

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2 / 2

Storage instructions

- Shelf-life 24 months
- Keep from freezing, heat and solar radiation.
- Applies to closed original containers at 5°C up to 30°C.
- Do not pollute the varnish with washing water, cleaning agent or other varnishes.

Disclaimer

- All information provided on this product (in this sheet or elsewhere) are made to the best of our knowledge.
- This data sheet does not claim to be complete.
- 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.
- 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.
- We reserve the right to change product characteristics due to technical progress, amendment of applicable law and mandatory production-related needs.