

Technical Datasheet

19.02.2018
1 / 2

TerraEffekt® Drip Off Primer 1680

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

- Delivery viscosity: pasty
- Solids: ./.

Field of application

Application

- Sheet fed offset, ink duct (with fountain solution)
- drying: IR and hot air
- wet-in-wet
- wet-on-dry

Substrates

- coated paper
- coated board
- cast-coated substrates

Printing products

- folding box
- labels
- commercial prints, covers

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 according to DIN ISO 2836, formerly DIN 16524, in order 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
- Please pay attention, that the drying speed of the combination primer + coating is noticeably reduced in case of non absorbent surfaces. Therefore appropriate pile temperatures and immediate airing are necessary. In case of an insufficient airing we can't exclude yellowing.
- 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

- Please clean machines and tools with commercial cleaning agents.

Storage

- 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.

Safety instructions

- Clean and rinse immediately with water and soap if the varnish comes into contact with the skin. Do not use solvents or dilutions.

Technical Datasheet

19.02.2018
2 / 2

TerraEffekt® Drip Off Primer 1680

- Please pay attention to the information given in the material safety data sheet.

Environmental recommendation

- Do not give the varnish into lakes and rivers or the sewage system.
- Remainders must be disposed professionally in compliance with valid instructions.
- Please pay attention to the information given in the material safety data sheet.

Please be advised

- 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 do not release from own tests and examinations in 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 because of technical progress, amendment of applicable law and mandatory production-related needs