

## Technical Datasheet

25.02.2021

### TERRAWET Primer G 9/734 matt-045

1 / 2

#### Product description


Water-based matt primer for the later UV inline coating. The product achieves very good results on printing inks for food, also in case of a high ink coverage. It shows a very good adhesion as well as a low draw back effect.

- Sheet-fed offset, double coating

#### Substrate

- Coated paper
- Coated board

#### Properties



Gloss	■ ■ ■ □ □ □ □ □ □ □ □
Scuff resistance	■ ■ ■ ■ ■ ■ ■ ■ □ □
Crackling tolerance	■ ■ ■ ■ ■ ■ ■ ■ □ □
Foaming tolerance	■ ■ ■ ■ ■ ■ ■ □ □ □
Drying	■ ■ ■ □ □ □ □ □ □ □
Two-sided coating	■ □ □ □ □ □ □ □ □ □
Wet block resistance	■ ■ ■ □ □ □ □ □ □ □
UV varnishing	■ ■ ■ ■ ■ ■ ■ ■ ■ ■

#### Material characteristics

- Viscosity: 45 sec. (20°C, DIN 4 mm cup)

#### Special properties

- Very low draw back effect
- Proves in practice to be suitable as adhesion promoter between substrate and a later UV coating.

#### Application (End Uses)

- Folded boxes (Other non-food, Food indirect, Dry foodstuff packagings, Personal Care, Pharma)
- Publications (Dust jackets)

#### Processes

- Wet-in-wet

#### Legislation assessment

- In principal the product can be used as directed and with a complete drying for the coating of foodstuff packagings for the indirect contact to the filling good. For information about the food legislation assessment of this product (e. g. demands on the Nestlé "Guidance Note on 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

#### Processing recommendations

- The full profile of characteristics of the coating film is available after complete drying.
- Stir well before use!  
Mechanical stirring is recommended.
- Resistance against alkali, alcohol and solvents should be given according to DIN ISO 2836, formerly DIN 16524, in order to exclude a change of colour.
- We recommend to omit adhesive straps.
- The coating is suitable for

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2 / 2

- wrapping in foils XS and MS (no acrylic coated foil).
- There must be a sufficient hardening of the overall system substrate-printing ink-coating before further processing which should be checked in the process.
  - In case of an insufficient drying of the printing ink, a fault in form of a printing ink film splitting cannot be excluded at the later refinement processes.
  - Recommended coating application: 4 - 6 g/m<sup>2</sup>/wet
  - Please use printing inks/foil inks suitable for coating.
  - For the further processing of the sheets under mechanical load and/or the influence of humidity, a sufficient high basic consistency of the substrate is required.
  - There must be a suitability for water-based coating if anti-set-off powder is used (do not use mineral powder).
  - Recommended pile temperature: not > 30°C
  - In order to guarantee a fast and complete drying, we recommend a sufficient airing of the sheets.
  - Using non-absorbent substrates and / or slowly absorbent printing inks, we recommend to plan for the corresponding drying times.

#### Cleaning instructions

- Please clean machines and tools immediately with water. Dried coating residues can be removed with TERRAWET Clean Cleaning Agent G 12/180.

#### Storage instructions

- Protect from frost, heat and sun exposure.

- Shelf-life 12 months
- Applies to closed original containers at 5°C up to 30°C.
- Avoid mixing with other coatings or washing water.
- Storage may cause a change in viscosity. We recommend to check the viscosity and adjust - if necessary - with water.

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