

Technical Datasheet

TERRAWET Primer G 9/601 FoodSafe-040




17.02.2021

1 / 3

Product description

Water-based primer as adhesion medium between substrate and a later UV coating or foil lamination. The product has been FoodSafe certified. It is low migration (global migration limit < 60 mg/kg, EU cube model), compliant with the Swiss Ordinance (SR 817.023.21) and can be applied in the direct contact to dry and fat-including foodstuffs. It is transparent and shows a very high crackling tolerance.

Properties

	
Gloss	■ ■ ■ ■ ■ ■ ■ ■ ■ ■ □ □
Scuff resistance	■ ■ ■ ■ ■ ■ ■ ■ □ □ □ □
Hot foil stamping	■ ■ ■ ■ ■ ■ ■ ■ □ □
Crackling tolerance	■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■
Foaming tolerance	■ ■ ■ ■ ■ ■ ■ ■ □ □
Drying	■ ■ ■ ■ ■ ■ ■ ■ □ □
Two-sided coating	■ ■ ■ ■ ■ ■ □ □ □ □ □ □
Wet block resistance	■ ■ ■ ■ ■ ■ □ □ □ □
UV varnishing	■ ■ ■ ■ ■ ■ ■ ■ □ □
Counter glueing	■ ■ ■ ■ ■ ■ □ □ □ □

Material characteristics

- Viscosity: 40 sec. (20°C, DIN 4 mm cup)
- Viscosity: 60 sec. (20°C, DIN 4 mm cup)

Special properties

- Low odor
- Very good transparency

Application (End Uses)

- Wrapper and innerliner (Wrapping paper)

- Commercials (Brochures)
- Sachets, pouches & bags (Food indirect)
- Folded boxes (Other non-food, Food indirect, Food direct, Dry foodstuff packagings, Personal Care, Pharma)
- Corrugated (Displays)
- Publications (Dust jackets)

Processes

- Sheet-fed offset, coating unit
- Wet-in-wet
- Sheet-fed offset, coating unit (chambered doctor blade or roller system)

Substrate

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

Legislation assessment

- In principal the product can be used as directed and with a complete drying for the coating of foodstuff packagings for the direct contact to the filling good. For information about the food legislation assessment of this product please contact our department for quality, environment and product safety. T: +49 (0) 5132 5009-140 mail to: QUM.ACTEGA.Terra@altana.com

Processing recommendations

Technical Datasheet

TERRAWET Primer G 9/601 FoodSafe-040



17.02.2021

2 / 3

- The full profile of characteristics of the coating film is available after complete drying.
- Recommended pile temperature: not > 35°C
- We recommend to omit adhesive straps.
- 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.

- Please use printing inks/foil inks suitable for coating.
- There must be a suitability for water-based coating if anti-set-off powder is used (do not use mineral powder).

- Using non-absorbent substrates and / or slowly absorbent printing inks, we recommend to plan for the corresponding drying times.
- Recommended coating application: 4 - 6 g/m²/wet
- 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.
- In order to guarantee a fast and complete drying, we recommend a sufficient airing of the sheets.
- Stir well before use!
Mechanical stirring is recommended.

- 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.

- The coating is suitable for wrapping in foils XS and MS (no acrylic coated foil).

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.
- 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.
- Applies to closed original containers at 5°C up to 30°C.
- Shelf-life 18 months

Disclaimer

- 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.
- We reserve the right to change product characteristics due to technical progress, amendment of applicable law and mandatory production-related needs.
- 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

Technical Datasheet

TERRAWET Primer G 9/601 FoodSafe-040



17.02.2021

3 / 3

not release from own tests and
examinations under customer-specific
circumstances.