

Technical Datasheet

TERRAWET Special Coating G 9/221 FoodSafe-040



11.05.2020













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Product description

Water-based gloss coating with excellent drying for non absorbent surfaces. 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. Moreover, the coating offers a temporary barrier against fat and water and has proven itself as a coating for the rearside of board.

- Has proven itself as a coating for the rearside of board.
- Temporary barrier against fat and water

Properties

	
Gloss	
Scuff resistance	
Hot foil stamping	
Crackling tolerance	
Foaming tolerance	
Drying	
Two-sided coating	
Wet block resistance	
UV varnishing	
Counter glueing	
Slip angle	14° - 20°
Foil lamination	
Heat resistance	Up to 200°C

Application (End Uses)

- Wet glue (Other non-food, Food indirect, Beverages)
- Sachets, pouches & bags (Soup bags, Sac packaging)
- Folded boxes (Other non-food, Food indirect, Detergent packaging, Food direct, Dry foodstuff packagings, Frozen food packaging)
- Corrugated (Displays)

Processes

- Wet-in-wet
- Flexo printing, pre-print
- Wet-on-dry
- Sheet-fed offset, coating unit
- Sheet-fed offset, coating unit (chambered doctor blade or roller system)
- Flexo printing, reel-to-reel

Substrate

- Aluminum foil laminated substrates
- Two-sided PE-coated board
- Coated paper
- Coated board
- Rearside PE coated board
- Metallized substrates
- PVC, PP, PE, PET foils etc.

Material characteristics

- Viscosity: 50 sec. (20°C, DIN 4 mm cup)
- Viscosity: 60 sec. (20°C, DIN 4 mm cup)
- Viscosity: 40 sec. (20°C, DIN 4 mm cup)

Legislation assessment

- In principal the product can be used as directed and with a complete drying for the coating of foodstuff packagings for the

Special properties

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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

sheets under mechanical load and/or the influence of humidity, a sufficient high basic consistency of the substrate is required.

- Stir well before use!
Mechanical stirring is recommended.

Processing recommendations

- 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.
- In order to guarantee a fast and complete drying, we recommend a sufficient airing of the sheets.
- There must be a sufficient hardening of the overall system substrate-printing ink-coating before further processing which should be checked in the process.
- The coating is suitable for wrapping in foils XS and MS (no acrylic coated foil).
- Recommended pile temperature: not > 35°C
- The full profile of characteristics of the coating film is available after complete drying.
- We recommend to omit adhesive straps.
- Recommended coating application: 3,5 - 5 g/m²/wet
- 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.
- For the further processing of the

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

- Avoid mixing with other coatings or washing water.
- Protect from frost, heat and sun exposure.
- Shelf-life 18 months
- 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.

Disclaimer

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

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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.