

Technical Datasheet

17.02.2021


TERRAWET Matt Coating G 9/81 matt-040

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Product description

Water-based matt coating with a fast drying and a very high wet block resistance. The coating is especially low odor and shows a low tendency to crackling and foaming.

Properties

	
Gloss	■ ■ ■ □ □ □ □ □ □ □ □
Scuff resistance	■ ■ ■ ■ ■ ■ ■ ■ □ □ □ □
Hot foil stamping	■ ■ ■ ■ ■ ■ ■ ■ □ □ □ □
Crackling tolerance	■ ■ ■ ■ ■ ■ ■ ■ ■ ■ □
Foaming tolerance	■ ■ ■ ■ ■ ■ ■ ■ ■ ■ □
Drying	■ ■ ■ ■ ■ ■ ■ ■ □ □ □ □
Two-sided coating	■ ■ ■ ■ ■ ■ ■ ■ ■ ■ □
Wet block resistance	■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■
UV varnishing	■ ■ ■ ■ ■ ■ ■ ■ □ □ □ □
Counter glueing	■ ■ ■ ■ ■ ■ ■ ■ □ □ □ □
Slip angle	23° -27°
Foil lamination	■ ■ ■ □ □ □ □ □ □ □
Heat resistance	Up to 120°C

Material characteristics

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

Special properties

- Low odor

Application (End Uses)

- Wet glue (Other non-food, Beverages)
- Commercials (Brochures)
- Folded boxes (Other non-food, Food indirect, Dry foodstuff)

- packagings)
- Corrugated (Displays)

Processes

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

Substrate

- Coated paper
- Rearside PE coated board
- Coated board

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

- Using non-absorbent substrates and / or slowly absorbent printing inks, we recommend to plan for the corresponding drying times.

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- The full profile of characteristics of the coating film is available after complete drying.
- There must be a suitability for water-based coating if anti-set-off powder is used (do not use mineral powder).
- The coating is suitable for wrapping in foils XS and MS (no acrylic coated foil).
- 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.
- In order to guarantee a fast and complete drying, we recommend a sufficient airing of the sheets.
- Recommended coating application: 3,5 - 5 g/m²/wet
- Stir well before use!
Mechanical stirring is recommended.
- Recommended pile temperature: not > 35°C
- There must be a sufficient hardening of the overall system substrate-printing ink-coating before further processing which should be checked in the process.
- 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.

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.
- Storage may cause a change in viscosity. We recommend to check the viscosity and adjust - if necessary - with water.
- Avoid mixing with other coatings or washing water.
- Shelf-life 18 months
- Applies to closed original containers at 5°C up to 30°C.

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