

Technical Datasheet

26.08.2022












TERRAWET® High Gloss Coating G 9/507 DO-060

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Product description

Waterbased high gloss coating to get matt effects and trickle down effects in combination with an oil print primer.

Properties

Gloss	
Scuff resistance	
Hot foil stamping	
Crackling tolerance	
Foaming tolerance	
Drying	
Two-sided coating	
Wet block resistance	
UV varnishing	
Counter glueing	
Slip angle	18° - 22°
Foil lamination	
Heat resistance	up to 90°C

Material characteristics

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

Special properties

- The effect depends on the primer used and the film weight.
- Proves in practice to be suitable as two-sided coating.

Application (End Uses)

- Wet glue (Other non-food)
- Commercial (Brochures)
- Folded boxes (Other non-food, Food indirect, Dry foodstuff packagings)
- Publications (Dust jackets)

Processes

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

Substrate

- Coated board
- Coated paper

Legislation assessment

- In principle 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

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Processing recommendations

- The full profile of characteristics of the coating film is available after complete drying.
- In order to guarantee a fast and complete drying, we recommend a sufficient airing of the sheets.
- There must be a suitability for water-based coating if anti-set-off powder is used (do not use mineral powder).
- 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.
- The coating is suitable for wrapping in foils XS and MS (no acrylic coated foil).
- Recommended pile temperature: not > 35°C
- Stir well before use!
Mechanical stirring is recommended.
- Using non-absorbent substrates and / or slowly absorbent printing inks, we recommend to plan for the corresponding drying times.
- 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.
- Recommended coating application:
3,5 - 5 g/m²/wet
- We recommend to omit adhesive straps.
- There must be a sufficient

hardening of the overall system
substrate-printing ink-coating before
further processing which should be
checked in the process.

Cleaning instructions

- Please clean machines and tools immediately with water. Dried coating residues can be removed with TERRAWET Clean Cleaning Agent G 12/181.

Storage instructions

- 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.
- Protect from frost, heat and sun exposure.

Disclaimer

- All information provided on this product (in this sheet or elsewhere) are made to the best of our knowledge.
- 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.

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- 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.

- 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.