

## Technical Datasheet

05.11.2020

### TERRAWET Gloss Coating G 9/706 FoodSafe -040

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#### Product description

Water-based gloss coating with fast drying and a good wet block resistance. 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. This product has been assessed against the criteria of the Material Health category in the Cradle to Cradle Certified™ Product Standard and was awarded a Gold level Material Health Certificate by the Cradle to Cradle Products Innovation Institute.


#### Processes

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

#### Substrate

- Coated board
- Coated paper

#### Properties

	
Gloss	■ ■ ■ ■ ■ ■ ■ ■ □ □ □ □
Scuff resistance	■ ■ ■ ■ ■ ■ ■ ■ ■ ■ □
Hot foil stamping	■ ■ ■ ■ ■ ■ ■ ■ ■ □
Crackling tolerance	■ ■ ■ ■ ■ ■ ■ ■ ■ □
Foaming tolerance	■ ■ ■ ■ ■ ■ ■ ■ □ □
Drying	■ ■ ■ ■ ■ ■ ■ ■ □ □
Two-sided coating	■ ■ ■ ■ ■ ■ □ □ □ □
Wet block resistance	■ ■ ■ ■ ■ ■ ■ ■ □ □
UV varnishing	■ ■ ■ □ □ □ □ □ □ □
Counter glueing	■ ■ ■ ■ ■ ■ ■ ■ □ □
Slip angle	15° - 20°
Foil lamination	■ ■ ■ □ □ □ □ □ □ □
Heat resistance	Up to 120°C

#### 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

- The full profile of characteristics of the coating film is available after complete drying.
- 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.
- The coating is principally glueable (please test).
- Resistance against alkali, alcohol and solvents should be given according to DIN ISO 2836,

#### Material characteristics

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

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formerly DIN 16524, in order to exclude a change of colour.

- Using non-absorbent substrates and / or slowly absorbent printing inks, we recommend to plan for the corresponding drying times.
- Recommended pile temperature: not > 35°C
- The coating is suitable for wrapping in foils XS and MS (no acrylic coated foil).
- Stir well before use!  
Mechanical stirring is recommended.
- Recommended coating application: 3,5 - 5 g/m<sup>2</sup>/wet
- We recommend to omit adhesive straps.
- There must be a suitability for water-based coating if anti-set-off powder is used (do not use mineral powder).

#### 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
- Applies to closed original containers at 5°C up to 30°C.
- Storage may cause a change in viscosity. We recommend to check the viscosity and adjust - if necessary - with water.

#### 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.
- We reserve the right to change product characteristics due to technical progress, amendment of applicable law and mandatory production-related needs.
- 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.
- This data sheet does not claim to be complete.
- All information provided on this product (in this sheet or elsewhere) are made to the best of our knowledge.