

Technical Data Sheet
TERRAWET Matt Coating G 9/56 M-035 FoodSafe
for the direct contact with dry/fat-including food, Material Health Certificate (Gold)

Product Description

Water-based matt coating with universal application possibilities.

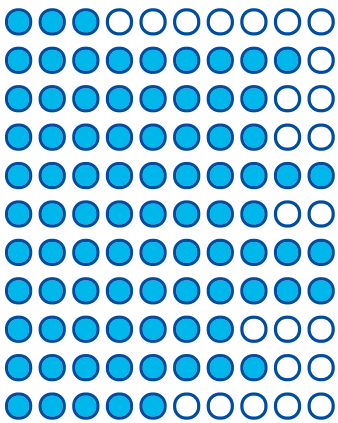
The coating belongs to our FoodSafe series.
FoodSafe is our portfolio of water-based coatings that are suitable for a direct contact to dry and fat-including foodstuffs according to the Framework Regulation EU No. 1935/2004.
These coatings have a low potential for migration and they do not contain undesirable constitutional components such as mineral oils (MOSH, MOAH), heavy metals or phthalates.

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.

General Information	
Product Type	Coatings
Product Technology	Water based
Field Of Application	Labels, Paperbased Packaging, Publication & Commercial, Food indirect, Other non-food, Beverages, Displays, Sweets, Food direct, Personal Care, Pharma, Microwave packaging, CSD, Brochures
Properties	Listed in the Sony Green Book (Sony Green Partner), Laser printable, Especially good anti-curling behaviour
Optic	Matte

Properties

- Gloss
- Drying
- Scuff Resistance
- Hot Foil Stamping
- Crackling Tolerance
- Foaming Tolerance
- Two Sided Coating
- Wet Block Resistance
- UV Varnishing
- Counter Glueing
- Foil Laminator



Product Characteristics			
Viscosity	~40 s (20°C, DIN 4 mm cup) ~50 s (20°C, DIN 4 mm cup)		
Hot Foil Stamping	Yes	Glueability	No
Slip Angle	20° - 25°	Heat Resistance	Up to 180°C

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Anti Penetration	No

Substrate Recommendation

- PVC, PP, PE, PET foils etc.
- Coated Board
- Coated Paper
- Metallized substrates
- Cast-coated substrates
- Aluminum foil laminated substrates
- Rearside PE coated board

Application Method

- Flexo unit
- Sheet-fed offset, coating unit (chambered doctor blade or roller system)
- Sheet-fed offset, coating unit
- Coating unit
- Wet-on-dry
- Wet-in-wet
- We recommend to omit adhesive straps.
- The coating is suitable for wrapping in foils XS and MS (no acrylic coated foil).
- Please use printing inks/foil inks suitable for coating.
- 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.
- 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.
- Recommended pile temperature: not > 35°C.
- There must be a suitability for water-based coating if anti-set-off powder is used (do not use mineral powder).
- In order to guarantee a fast and complete drying, we recommend a sufficient airing of the sheets.
- 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.
- There must be a sufficient hardening of the overall system substrate-printing ink-coating before further processing which should be checked in the process.
- Recommended coating application: 3,5 - 5 g/m²; wet
- The full profile of characteristics of the coating film is available after complete drying.

Storage Instructions

- Storage (Days): 550
- Shelf-life 18 months
- Applies to closed original containers at 5°C up to 30°C.
- Avoid mixing with other coatings or washing water.
- 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.

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Cleaning Instructions

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

Regulatory Compliance

- For information about the food legislation assessment of this product (e. g. demands on the Nestlé Standard St-80.001 „Printing Inks for Food Packaging" (version 04-2022) and the Swiss Ordinance (SR 817.023.21 - ordinance of the Swiss Confederation on materials & articles in contact with food) or FDA & California Proposition 65) we ask you to contact our department for quality, environment and product safety.
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Disclaimer

The characteristics contained herein constitute binding product specifications which we warrant provided the conditions and testing methods mentioned therein are used. Any other subjective or objective requirements concerning the products are excluded. Any information herein about suitability, use or application of the products is non-binding and does not constitute a commitment regarding the products' properties, use or application. We recommend that you test our products in preliminary trials to determine their suitability for your intended purpose prior to use. No warranties of merchantability or fitness for a particular purpose are made regarding any products mentioned herein and data or information set forth, or that such products, data or information may be used without infringing intellectual property rights of third parties.