

Technical Data Sheet

TERRAWET Gloss Coating G 9/706-060 FoodSafe

Water-based Gloss Coating with Fast Drying and Good Wet Block Resistance. Material Health Certificate (Gold)

Product Description

Water-based gloss coating with fast drying and a good wet block resistance.

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	Paperbased Packaging, Labels, Food direct, Other non-food, Food indirect, Beverages, Dry foodstuff packagings
Optic	Glossy

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	● ~60 s (20°C, DIN 4 mm cup)		
Hot Foil Stamping	Yes	Glueability	Yes
Slip Angle	15° - 20°	Heat Resistance	Up to 120°C
Anti Penetration	No		

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Substrate Recommendation

- Coated Paper
- Coated Board

Application Method

- Sheet-fed offset, coating unit (chambered doctor blade or roller system)
- Wet-in-wet
- Stir well before use! Mechanical stirring is recommended.
- Recommended coating application: 3,5 - 5 g/m²; wet
- We recommend to omit adhesive straps.
- The full profile of characteristics of the coating film is available after complete drying.
- 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 sheets under mechanical load and/or the influence of humidity, a sufficient high basic consistency of the substrate is required.
- There must be a suitability for water-based coating if anti-set-off powder is used (do not use mineral powder).
- Please use printing inks/foil inks suitable for coating.
- Recommended pile temperature: not > 35°C.
- Using non-absorbent substrates and / or slowly absorbent printing inks, we recommend to plan for the corresponding drying times.
- The coating is principally glueable (please test).
- The coating is suitable for wrapping in foils XS and MS (no acrylic coated foil).

Storage Instructions

- Storage (Days): 550
- Applies to closed original containers at 5°C up to 30°C.
- 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.

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

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