

Technical Data Sheet
TERRAWET Special Coating G 9/595 W-060
Water-based Special Coating with High Crackling Tolerance

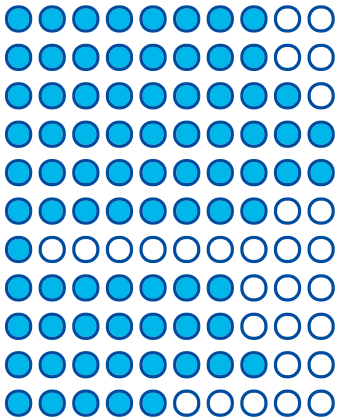
Product Description

Water based special coating which can be used universally, low tendency to crackling. High scuff resistance, suitable for hot foil stamping. Stable against ink build up. Very good transparency, low odor, good anti-curling properties, temporary barrier against fat and water.

General Information	
Product Type	Coatings
Product Technology	Water based
Field Of Application	Paperbased Packaging, Labels, Sweets, Other non-food, Food indirect, Personal Care, Pharma, Frozen food packaging, Dry foodstuff packagings, CSD, Beverages
Properties	Stable against ink build-up, Especially good anti-curling behaviour, Very good transparency, Low odor, Suitable for the cold foil application
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	<ul style="list-style-type: none">• ~60 s (20°C, DIN 4 mm cup)• ~40 s (20°C, DIN 4 mm cup)• ~45 s (20°C, DIN 4 mm cup)		
Hot Foil Stamping	Yes	Glueability	No
Slip Angle	15° - 20°	Heat Resistance	up to 180°C
Anti Penetration	No		

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Substrate Recommendation

- Aluminum foil laminated substrates
- Coated Board
- Rearside PE coated board
- Metallized substrates
- Coated Paper
- Cast-coated substrates

Application Method

- Wet-in-wet
- Sheet-fed offset, coating unit (chambered doctor blade or roller system)
- Gravure Printing
- Sheet-fed offset, coating unit
- Wet-on-dry
- Stir well before use! Mechanical stirring is recommended.
- In order to guarantee a fast and complete drying, we recommend a sufficient airing of the sheets.
- Recommended pile temperature: not > 35°C.
- The full profile of characteristics of the coating film is available after complete drying.
- 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.
- 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.
- Viscosity for processing in gravure printing: 15-20 sec. (dilution with water:ethanol 3:1).
- The coating is suitable for wrapping in foils XS and MS (no acrylic coated foil).
- Please use printing inks/foil inks suitable for coating.
- There must be a sufficient hardening of the overall system substrate-printing ink-coating before further processing which should be checked in the process.
- We recommend to omit adhesive straps.
- Recommended coating application: 3,5 - 5 g/m²; wet
- Using non-absorbent substrates and / or slowly absorbent printing inks, we recommend to plan for the corresponding drying times.
- There must be a suitability for water-based coating if anti-set-off powder is used (do not use mineral powder).

Storage Instructions

- Storage (Days): 550
- 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.
- Shelf-life 18 months
- Protect from frost, heat and sun exposure.
- 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.

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Disclaimer

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