

Technical Data Sheet  
**TERRAWET Special Coating G 9/595 W-040**  
Water-based Special Coating with High Crackling Tolerance

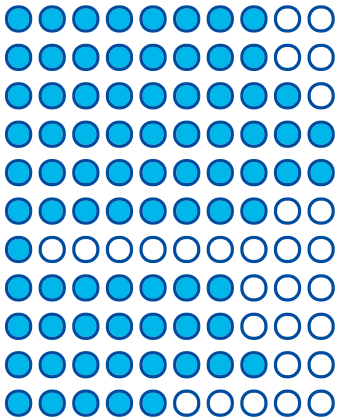
Product Description

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, Suitable for the cold foil application, Very good transparency, Low odor, Especially good anti-curling behaviour
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"><li>• ~40 s (20°C, DIN 4 mm cup)</li><li>• ~60 s (20°C, DIN 4 mm cup)</li><li>• ~45 s (20°C, DIN 4 mm cup)</li></ul>		
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

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

## Application Method

- Sheet-fed offset, coating unit
- Sheet-fed offset, coating unit (chambered doctor blade or roller system)
- Gravure Printing
- Wet-on-dry
- Wet-in-wet
- Viscosity for processing in gravure printing: 15-20 sec. (dilution with water:ethanol 3:1).
- 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.
- There must be a suitability for water-based coating if anti-set-off powder is used (do not use mineral powder).
- 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.
- 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.
- Using non-absorbent substrates and / or slowly absorbent printing inks, we recommend to plan for the corresponding drying times.
- In order to guarantee a fast and complete drying, we recommend a sufficient airing of the sheets.
- We recommend to omit adhesive straps.
- Recommended pile temperature: not > 35°C.
- Stir well before use! Mechanical stirring is recommended.
- Recommended coating application: 3,5 - 5 g/m<sup>2</sup>; wet
- The full profile of characteristics of the coating film is available after complete drying.

## Storage Instructions

- Storage (Days): 550
- Avoid mixing with other coatings or washing water.
- 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.
- Protect from frost, heat and sun exposure.

## 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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## Contact Information

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## Disclaimer

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