

Technical Datasheet

23.09.2021

ACTGreen Matt Coating AQ140065-050

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Product description

This water-based dull matt coating is partly based on a mix of recycled petroleum-based raw materials and bio-based materials (50-55%, calculated on dry film). The product shows a fast drying, a high wet block resistance as well as a very high scuff resistance. It is suitable for the two-sided coating.

Processes

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

Properties

	
Gloss	■ □ □ □ □ □ □ □ □ □
Scuff resistance	■ ■ ■ ■ ■ ■ ■ ■ ■ □
Hot foil stamping	■ ■ ■ ■ ■ ■ ■ □ □ □
Crackling tolerance	■ ■ ■ ■ ■ ■ ■ ■ □ □
Foaming tolerance	■ ■ ■ ■ ■ ■ ■ □ □ □
Drying	■ ■ ■ ■ ■ ■ ■ ■ ■ □
Two-sided coating	■ ■ ■ ■ ■ ■ ■ ■ ■ □
Wet block resistance	■ ■ ■ ■ ■ ■ ■ ■ ■ ■
UV varnishing	■ ■ ■ ■ ■ ■ □ □ □ □
Counter glueing	■ ■ ■ ■ ■ ■ ■ □ □ □
Slip angle	23 - 27°
Foil lamination	■ ■ ■ □ □ □ □ □ □ □
Heat resistance	120°C

Substrate

- Coated board
- Coated paper
- Rearside PE coated board

Legislation assessment

- In principal the product can be used as directed and with a complete drying for the coating of foodstuff packagings for the indirect contact to the filling good. For information about the food legislation assessment of this product (e. g. demands on the Nestlé "Guidance Note on Packaging Inks" and the Swiss Ordinance (SR 817.023.21 - ordinance of the Swiss Confederation on materials & articles in contact with food)) we ask you to contact our department for quality, environment and product safety. T: +49 (0) 5132 5009-140 mail to: QUM.ACTEGA.Terra @altana.com

Material characteristics

- Viscosity: 50 sec. (20°C, DIN 4 mm cup)

Application (End Uses)

- Commercials (Brochures)
- Folded boxes (Other non-food, Food indirect, Personal Care, Pharma)

Processing recommendations

- Stir well before use!
Mechanical stirring is recommended.
- Recommended coating application: 2 - 4 g/m²/wet
- For the further processing of the sheets under mechanical load and/or the influence of humidity,

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- a sufficient high basic consistency of the substrate is required.
- The coating is principally glueable (please test).
- Please use printing 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.
- The coating is suitable for wrapping in foils XS and MS (no acrylic coated foil).
- Recommended pile temperature: not > 35°C
- The full profile of characteristics of the coating film is available after complete drying.
- Using non-absorbent substrates and / or slowly absorbent printing inks, we recommend to plan for the corresponding drying times.
- 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

- Shelf-life 12 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.
- Avoid mixing with other coatings or washing water.

Disclaimer

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