

Technical Datasheet

23.09.2021


ACTDigi High Gloss Coating AQ440380-045

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Product description

Water-based high gloss coating for digital printing applications with a fast drying, high wet block resistance and low penetration. The product has proven to be suitable as a coating for the later counter glueing.

Properties

	
Gloss	■ ■ ■ ■ ■ ■ ■ ■ ■ ■ □
Scuff resistance	■ ■ ■ ■ ■ ■ ■ ■ ■ □ □
Hot foil stamping	■ ■ ■ ■ ■ ■ ■ ■ □ □
Crackling tolerance	■ ■ ■ ■ ■ ■ ■ ■ ■ □
Foaming tolerance	■ ■ ■ ■ ■ ■ ■ ■ ■ □
Drying	■ ■ ■ ■ ■ ■ ■ ■ □ □
Two-sided coating	■ ■ ■ ■ ■ ■ ■ ■ □ □
Wet block resistance	■ ■ ■ ■ ■ ■ ■ ■ □ □
UV varnishing	■ ■ ■ ■ ■ □ □ □ □ □
Counter glueing	■ ■ ■ ■ ■ ■ ■ ■ □ □
Slip angle	18° - 22°
Heat resistance	up to 110° C

Material characteristics

- Viscosity: 45 sec. (20°C, DIN 4 mm cup)

Special properties

- Proves in practice to be suitable as coating for the later counter glueing.
- Proves in practice to be suitable as two-sided coating.

Application (End Uses)

- Wet glue (Other non-food, Household, Beverages)

- Commercials (Photo books, Brochures)
- Folded boxes (Other non-food, Food indirect, Detergent packaging, Dry foodstuff packagings)
- Corrugated (Displays)
- Publications (Dust jackets)

Processes

- Coating unit (chambered doctor blade or roller system)
- Aqueous inkjet
- Wet-on-dry

Substrate

- Coated paper
- Rearside PE coated board
- 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

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Processing recommendations

- Recommended coating application:
3,5 - 5 g/m²/wet
- The coating is principally glueable (please test).
- 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.
- Please use printing inks/foil inks suitable for coating.
- There must be a suitability for water-based coating if anti-set-off powder is used (do not use mineral powder).
- 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.
- We recommend to omit adhesive straps.
- Stir well before use!
Mechanical stirring is recommended.
- Recommended pile temperature: not > 35°C
- In order to guarantee a fast and complete drying, we recommend a sufficient airing of the sheets.

Cleaning instructions

- Please clean machines and tools immediately with water. Dried coating residues can be removed with TERRAWET Clean Cleaning Agent G 12/180.

- Avoid mixing with other coatings or washing water.
- Storage may cause a change in viscosity. We recommend to check the viscosity and adjust - if necessary - with water.
- Applies to closed original containers at 5°C up to 30°C.
- Shelf-life 12 months
- Protect from frost, heat and sun exposure.

Disclaimer

- 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.
- All information provided on this product (in this sheet or elsewhere) are made to the best of our knowledge.

Storage instructions