Technical Datasheet

TERRAWET Gloss Coating G 9/703-040

Product description
Water-based gloss coating with fast drying and good wet block resistance. The product provides a good scuff resistance.

Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gloss</td>
<td>![Rating]</td>
</tr>
<tr>
<td>Scuff resistance</td>
<td>![Rating]</td>
</tr>
<tr>
<td>Hot foil stamping</td>
<td>![Rating]</td>
</tr>
<tr>
<td>Crackling tolerance</td>
<td>![Rating]</td>
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<tr>
<td>Foaming tolerance</td>
<td>![Rating]</td>
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<tr>
<td>Drying</td>
<td>![Rating]</td>
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<tr>
<td>Two-sided coating</td>
<td>![Rating]</td>
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<tr>
<td>Wet block resistance</td>
<td>![Rating]</td>
</tr>
<tr>
<td>UV varnishing</td>
<td>![Rating]</td>
</tr>
<tr>
<td>Counter glueing</td>
<td>![Rating]</td>
</tr>
<tr>
<td>Slip angle</td>
<td>15° - 22°</td>
</tr>
<tr>
<td>Foil lamination</td>
<td>![Rating]</td>
</tr>
<tr>
<td>Heat resistance</td>
<td>Up to 120°C</td>
</tr>
</tbody>
</table>

Material characteristics
- Viscosity: 60 sec. (20°C, DIN 4 mm cup)
- Viscosity: 40 sec. (20°C, DIN 4 mm cup)

Application (End Uses)
- Wet glue (Other non-food, Beverages)
- Commercials (Brochures)
- Folded boxes (Other non-food, Food indirect, Dry foodstuff packagings)
- Corrugated (Displays)

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

Substrate
- Coated paper
- 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

Processing recommendations
- 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 suitability for water-based coating if anti-set-off powder is used (do not use mineral powder).
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- The full profile of characteristics of the coating film is available after complete drying.
- The coating is principally glueable (please test).
- 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.
- Recommended pile temperature: not > 35°C
- We recommend to omit adhesive straps.
- Stir well before use! Mechanical stirring is recommended.

- 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.
- Using non-absorbent substrates and / or slowly absorbent printing inks, we recommend to plan for the corresponding drying times.
- Recommended coating application: 3.5 - 5 g/m²/wet

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

Storage instructions
- Avoid mixing with other coatings or washing water.
- 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.

- Shelf-life 18 months
- Applies to closed original containers at 5°C up to 30°C.

Disclaimer
- 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.

- All information provided on this product (in this sheet or elsewhere) are made to the best of our knowledge.
- This data sheet does not claim to be complete.
- 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.

- We reserve the right to change product characteristics due to technical progress, amendment of applicable law and mandatory production-related needs.