

Technical Datasheet

TERRAGLOSS UV Matt Varnish G 8/606 VK-045

13.01.2023

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Product description

UV coating for matt surfaces. The product contains optical brightener. It is formulated free of benzophenone, gluable and suitable for hot foil stamping.

TTR functionality (wax and resin ribbons), min. UV dosage 50 mJ/cm² for proper curing needed (for optimal TTR functionality please don't overcure the varnish).

Properties

Runability	
Reactivity	
Gloss	
Scuff resistance	
Surface smoothness	
Hot foil stamping	yes
Glueability	yes

Material characteristics

- Viscosity: 40 sec. (23°C, DIN 4 mm cup)

Special properties

- Free of benzophenone
- The coating contains optical brightener.

Application (End Uses)

- Wet glue (Beverages)
- Pressure sensitive (Other non-food, Industrial, Household, Beverages, Personal Care)
- Sachets, pouches & bags (Sac packaging)
- Folded boxes (Other non-food, Personal Care, Pharma)

- Publications (Dust jackets)

Processes

- Narrow Web
- Sheet-fed offset, coating unit (chambered doctor blade or roller system)
- Flexo printing, reel-to-reel

Substrate

- Coated board
- PVC, PP, PE, PET foils etc.
- Coated paper
- Rearside PE coated board
- Aluminum foil laminated substrates

Legislation assessment

- The direct contact to foodstuff is not admitted. Using an absolute barrier the indirect contact is admitted. 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

- Stir well before use!
Mechanical stirring is

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- recommended.
- Glue flaps should be uncoated.
- Do not pollute the varnish with washing water or other varnishes.
- Recommended film weight:
2 - 4 g/m²/wet
- The printing inks should be suitable for coating. The resistance against alkali, alcohol and solvents should be given in accordance to DIN ISO 2836, former DIN 16524, to exclude any colour change.
- The total structure of substrate/printing ink/varnish must be cured sufficiently before processing and should be checked during the process.
- A strong absorption on absorbent surfaces can cause an insufficient curing of the UV varnish, sensory problems, mechanical influence as well as rub resistance problems and poor slip properties.
- In case of an offline coating we recommend for the primer a drying time of minimum 24 hours, in case of metallic printing inks minimum 48 hours.
- The complete property profile of the coating film is given in case of a complete drying.

Cleaning instructions

- Please clean machine and tools immediately with alcohol. Dried film clean up with TERRAGLOSS CLEAN Cleaning Agent G 13/160.
- Tubes should be free of

water, varnish and cleaning agent, otherwise the UV varnish can thicken.

Storage instructions

- Do not pollute the varnish with washing water, cleaning agent or other varnishes/adhesives.
- Keep from freezing, heat and solar radiation.
- Applies to closed original containers at 5°C up to 30°C.
- Place under the exclusion of light.
- Shelf-life 9 months

Disclaimer

- 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.
- 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.
- We reserve the right to change product characteristics due to technical progress, amendment of applicable law and mandatory production-related needs.
- All information are technical quality descriptions, advisory and due to the wide range of materials, production conditions, operations and

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processes they do not release from
own tests and examinations under
customer-specific circumstances.