

Technical Datasheet

TERRAGLOSS® UV Matt Varnish G 8/605 NVK-045





11.01.2023

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Product description

UV matt varnish which offers a surface with a marked soft touch effect. The product shows a good flow out as well as a low yellowing. On absorbent surfaces, the use of a primer is recommended.

Properties

Runability	
Reactivity	
Gloss	
Surface smoothness	
Hot foil stamping	no
Glueability	no

Material characteristics

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

Special properties

- Very good flow out
- Low yellowing

Application (End Uses)

- Pressure sensitive (Other non-food, Industrial, Household, Beverages)
- Commercials (Brochures)
- Sachets, pouches & bags (Sac packaging)
- Folded boxes (Other non-food, Personal Care, Pharma)
- Publications (Dust jackets)

Processes

- Coating unit (chambered doctor blade or roller system)

- Sheet-fed offset, coating unit
- Flexo printing, reel-to-reel
- Narrow Web

Substrate

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

- UV: The property profile of the coating film is given in case of a complete curing. The curing depends on the efficiency of lamps, life of UV lamps, machinery speed,

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general conditions of the UV unit (reflectors, etc.), temperature and the distance from the UV unit to the substrate. We recommend to clean regularly the reflectors and - if necessary - to change the lamps in case of a drop in lamp efficiency.

- Stir well before use!
Mechanical stirring is recommended.
- Recommended film weight:
2 - 4 g/m²/wet
- Do not pollute the varnish with washing water or other varnishes.
- 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 total structure of substrate/printing ink/varnish must be cured sufficiently before processing and should be checked during the process.
- Glue flaps should be uncoated.
- 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.
- 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.

Cleaning instructions

- Tubes should be free of water, varnish and cleaning agent, otherwise the UV varnish can thicken.
- Please clean machine and tools immediately with alcohol. Dried film clean up with TERRAGLOSS CLEAN Cleaning Agent G 13/160.

Storage instructions

- Keep from freezing, heat and solar radiation.
- Applies to closed original containers at 5°C up to 30°C.
- Do not pollute the varnish with washing water, cleaning agent or other varnishes/adhesives.
- 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.
- 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.
- All information are technical quality descriptions, advisory and due to the wide range of

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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.