

Technical Datasheet

27.01.2023

TERRAGLOSS UV Matt Varnish G 38/11 VK-100

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Product description

UV matt varnish with a high reactivity for LED-UV applications with LED-spotlights (wavelength 385 nm to 395 nm). The product is gluable and suitable for hot foil stamping. It provides a low yellowing and a very good flow out.

Properties

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

Material characteristics

- Viscosity: 90 sec. (23°C, DIN 4 mm cup)

Special properties

- Low yellowing
- Very good flow out
- Less odor after a complete curing

Application (End Uses)

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

Processes

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

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 recommended.
- The varnish is suitable for the use of High Reactive Curing Technologies (e. g. LE UV, LEC UV, HUV, HR UV).
- 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

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- uncoated.
- Since the LED wavelenght from 385 nm to 395 nm is close to the visible light spectrum, the liquid coating must be protected from daylight.
- Recommended film weight: 3 – 6 g/m²/wet
- Do not pollute the varnish with washing water or other varnishes.
- 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

- 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

- 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.
- Keep from freezing, heat and solar radiation.
- Place under the exclusion of light.
- Shelf-life 6 months

Disclaimer

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