

Technical Datasheet

23.09.2021


TERRAGLOSS UV Special Varnish G 38/527 NVK Release-050






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Product description

UV gloss coating with a high reactivity for LED-UV applications with LED-spotlights (wavelength 385 nm to 395 nm). The product provides a high surface smoothness, low yellowing and a very good flow out.

Properties



Runability	
Reactivity	
Gloss	
Scuff resistance	
Surface smoothness	
Hot foil stamping	no
Glueability	no

Material characteristics

- Viscosity: 50 sec. (20°C, DIN 4 mm cup)

Special properties

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

Application (End Uses)

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

Processes

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

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

- 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.
- Glue flaps should be uncoated.
- The varnish is suitable for the use of High Reactive Curing Technologies (e. g. LE UV, LEC UV, HUV, HR UV).
- On account of a number of substrate, a pretest, especially with regard to the adhesion, should be done.

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- 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.
- Do not pollute the varnish with washing water or other varnishes.
- 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, 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.
- 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.

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

- Applies to closed original containers at 5°C up to 30°C.
- Place under the exclusion of light.
- Shelf-life 6 months
- Keep from freezing, heat and

- solar radiation.
- Do not pollute the varnish with washing water, cleaning agent or other varnishes/adhesives.

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.
- 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.
- 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.