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Technical Datasheet

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TERRAGLOSS UV Matt Varnish G 38/10 NVK-070

Product description
UV matt varnish with a high reactivity for LED-UV applications with LED-spotlights (wavelength 385 nm to 395 nm). The product shows a low yellowing as well as a very good flow out.

Properties

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

Material characteristics
- Viscosity: 70 sec. (23°C, DIN 4 mm cup)

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

Application (End Uses)
- Pressure sensitive (Other non-food, Industrial, Household, Beverages, Pharma)
- Commercials (Photo books, Brochures)
- Folded boxes (Other non-food, Personal Care)
- Publications (Dust jackets)

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

Substrate
- Coated board
- PVC, PP, PE, PET foils etc.

Legislation assessment
- The direct or indirect contact to foodstuff is not admitted.

Processing recommendations
- Stir well before use! Mechanical stirring is recommended.
- 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.
- 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.
- The total structure of substrate/printing ink/varnish must be cured sufficiently before processing and should be checked during the process.
- Do not pollute the varnish with washing water or other varnishes.

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- 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.
- 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).
- Recommended film weight: 3 – 6 g/m²/wet

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

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