

## Technical Datasheet

27.01.2023






# TERRAGLOSS UV Gloss Varnish G 38/525 VK-090

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### Product description

UV gloss 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. On paper and board, it shows a low tendency to penetration.

### Properties

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

### Material characteristics

- Viscosity: 80 sec. (23°C, DIN 4 mm cup)

### Special properties

- The varnish has a low tendency to penetration on paper and board.
- Low yellowing
- Less odor after a complete curing
- Very good flow out

### 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 or indirect contact to foodstuff is not admitted.

### Processing recommendations

- 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).
- Since the LED wavelength 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.
- 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.
- 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.

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On account of a number of substrate, a pretest, especially with regard to the adhesion, should be done.

- The total structure of substrate/printing ink/varnish must be cured sufficiently before processing and should be checked during the process.

#### 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

- Place under the exclusion of light.
- Shelf-life 6 months
- 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.

#### Disclaimer

- This data sheet does not claim to be complete.
- We reserve the right to change product characteristics due to technical progress,

amendment of applicable law and mandatory production-related needs.

- 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.

- 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.