ACTEGA Terra GmbH
Industriestraße 12, 31275 Lehrte, Germany
Tel +49 51 32 50 09-0, Fax +49 51 32 50 09-1 45
DownloadTDS.ACTEGA.Terra@altana.com, www.actega.com

Technical Datasheet

TERRAGLOSS UV Gloss Varnish VP-AL 314 VK-090

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

Application (End Uses)
- Sachets, pouches & bags (Sac packaging)
- Folded boxes (Other non-food, Pharma, Cosmetic packaging)
- Publications (Dust jackets, Brochures)

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

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

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

Processing recommendations
- The varnish is suitable for the use of High Reactive Curing Technologies (e. g. LE UV, LEC UV, HUV, HR UV).
- 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.
- On account of a number of substrate, a pretest, especially with regard to the adhesion, should be done.
- Glue flaps should be uncoated.
- The total structure of substrate/printing ink/varnish must be cured sufficiently before processing and should be

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checked during the process.
- 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.

- 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.

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

- Shelf-life 6 months
- 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.

Disclaimer

- All information provided on this product (in this sheet or elsewhere) are made to the best of our knowledge.
- 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.

- This data sheet does not claim to be complete.