

## Technical Datasheet

### TERRAGLOSS UV Gloss Varnish G 8/391 VK FoodClass-080



23.09.2021






1 / 2

#### Product description

UV gloss coating for the indirect contact to dry and fat-including foodstuffs without the application of a functional barrier (FoodClass®). The product is free of benzophenone, hot foil stampable and gluable.

indirect, Dry foodstuff packagings, Tobacco)

#### Properties

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

#### Processes

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

#### Substrate

- Aluminum foil laminated substrates
- Coated paper
- Rearside PE coated board
- Coated board
- Foil laminated materials
- PVC, PP, PE, PET foils etc.

#### Material characteristics

- Viscosity: 80 sec. (20°C, DIN 4 mm cup)

#### Legislation assessment

- In principal the product can be used as directed and with a complete curing for the coating of foodstuff packagings for the indirect contact to the filling good. For information about the food legislation assessment of this product please contact our department for quality, environment and product safety. T: +49 (0) 5132 5009-140mail to: QUM.ACTEGA.Terra@altana.com

#### Special properties

- Very good flow out
- Less odor after a complete curing
- In combination with photopolymer plates, the varnish can be used as a spot varnish with an excellent edge definition.
- Free of benzophenone

#### Processing recommendations

- Recommended film weight: 3 – 6 g/m<sup>2</sup>/wet
- Glue flaps should be uncoated.
- UV: The property profile of the coating film is given in case of a complete curing. The curing

#### Application (End Uses)

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

## Technical Datasheet

### TERRAGLOSS UV Gloss Varnish G 8/391 VK FoodClass-080



23.09.2021

2 / 2

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.

- The total structure of substrate/printing ink/varnish must be cured sufficiently before processing and should be checked during the process.
- 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.
- In case of an offline coating we recommend for the primer a drying time of minimum 24 hours, in case of metallic printing inks minimum 48 hours.
- 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

- Place under the exclusion of light.
- Shelf-life 12 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

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