

## Technical Datasheet

29.11.2022

### TERRASCREEN UV Matt Varnish G 22/604 VK

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#### Product description

UV screen printing matt varnish with a low tendency to penetration and less surface structure. The product shows a very good flow out. Moreover, it is glueable and suitable for hot foil stamping.

Can be used for flat-bed screen printing and usable for the rotary screen printing.

Rotary screen printing

#### Substrate

- Coated board
- Rearside PE coated board
- Coated paper
- PVC, PP, PE, PET foils etc.

#### Properties



Reactivity	■ ■ ■ ■ ■ □ □ □ □ □
Gloss	■ ■ □ □ □ □ □ □ □ □
Scuff resistance	■ ■ ■ ■ ■ □ □ □ □ □
Surface smoothness	■ ■ ■ ■ ■ ■ □ □ □ □
Hot foil stamping	yes
Glueability	yes

#### Material characteristics

- Viscosity: high viscous

#### Special properties

- Very good flow out
- Low tendency to penetration
- Suitability of foils must be checked

#### Application (End Uses)

- Pressure sensitive (Other non-food, Beverages)
- Folded boxes (Other non-food, Personal Care)
- Publications (Dust jackets)

#### Processes

- Flat-bed screen printing
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#### 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

- 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.
- The printing inks should be suitable for coating. The

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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 total structure of substrate/printing ink/varnish must be cured sufficiently before processing and should be checked during the process.
- Recommended mesh: 180 . . . 150 L/cm
- The fine adjustment for the choice of tissue must be chosen individually depending job and motive.

#### Cleaning instructions

- Please clean machine and tools immediately with the right screen cleaner or alcohol.

#### Storage instructions

- Shelf-life 9 months
- Keep from freezing, heat and solar radiation.
- Place under the exclusion of light.
- 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.

#### 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.

- 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.
- This data sheet does not claim to be complete.
- All information provided on this product (in this sheet or elsewhere) are made to the best of our knowledge.