

Technical Information

Article-No.: E21000055

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FOLCO[®] FOAMCOAT FQ 3519 SUNSET GOLD

General Information

Type of product:	Thermal-reactive foaming product based on synthetic dispersions.
Field of Application:	FQ 3519 is suitable for manufacturing of paper and non-woven wallpapers with structured effect-surfaces using both gravure and screen printing.
Properties:	<ul style="list-style-type: none">• precise print-out• high volume through foaming• middle - hard viscoplastic structures• good mechanical resistance

Generally, printing results such as print-out, colouring, adhesion, abrasion resistance and water proofness are very good, however, they can be influenced by the printing material.

Characteristics

Viscosity at delivery:	≈ 40 dPas (Thermo Haake VT 2 plus, MK1 at 20°C)
pH value:	≈ 5 - 8
Solid content:	≈ 55,5 %
Specific weight:	≈ 1,1 g/cm ³

Further properties

Washability (EN 12956):	On paper and non-woven wallpapers the value acc. to symbol 2 waves is reachable.
Temperature stability:	The product is usable by common production conditions.
Light fastness:	WS 5 – 6
Others:	Basic material and processing conditions can affect the properties. Therefore, we recommend the basically self-audits of the properties to be achieved on the finished products.

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Introductions for use

- Printing Viscosity adjusting:** By adding of small water quantities (1 - 3 %).
- Colouring:** The product can be colored with our heat resistant basic colors of the series FS 10.
- Application Technology:** Gravure as well as screen printing process. Selecting the screen type consider the pigment particle size of up to 60 µm. Suitable printing forms have to be established by tests.
- Drying:** Generally drying and foaming should be done in an air circulated drying channel with range control. To achieve optimum foam strength the pre-drying should be done at approx. 100°C and foaming afterwards at temperatures between 110°C and 140°C. However, the product can still be foamed up to 24 hours after the drying process. The exact adjustment of the drying channel depends on the printing speed, the applying quantity, the length of the channel and must be determined individually. At temperature more than 140°C or too long exposure time in the dryer the regression of foam highness and mechanical strength is possible.
- Cleaning:** With water, eventually adding a commercial available stencil cleaner. The cylinder should not get too dry.

Additional advices

- Safety advice:** While handling the product keep the instructions in the safety data sheet.
- Storage:** Should be stored at temperatures between +5°C and +25°C. In unopened original containers the product can be stored for 6 months. The storability is impaired by pollutions and thinning. The usability of the product from opened containers and product has to be proved before use. The pigments of the effect printing inks tend to sedimentation because of their high density. This effect don't affect the quality of the product. Has to be stirred well before use.

This data sheet replaces all former technical information.

Last change: 06.01.2015

The characteristic values required for the product to be released are checked by our quality control department at the time of production; these values may change in line with storage conditions and periods and may be higher or lower than the specified limit values.

The advice we provide on the application of our products is based on extensive development work and many years of experience and is given to the best of our knowledge. However, the wide variety of requirements on site under the most diverse conditions mean that it is necessary for the processor to test the product for its suitability in any given case. We reserve the right to make changes in keeping with technical developments or improvements to our products. The agreed product characteristics are exclusively as set out in this technical information sheet. Any further agreements on product characteristics must be made in writing to be valid. This applies in particular with regard to the product's suitability for a specific purpose.

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