

Technical Information

Art-No.: 15290-020

FOLCO[®] FOAMCOAT FQ 3147

General information

Type of product	Hot-foamable product based on plastic dispersions.
Field of Application	FQ 3147 is suitable for printing on paper and nonwoven with structured surface in gravure printing method.
Properties	<ul style="list-style-type: none">• builds middle- hard structure• very good mechanical resistance <p>Generally, printing results such as print-out, colouring, adhesion, abrasion resistance and water proofness are very good, however, they can be influenced by the print substrate.</p>

Characteristics

Viscosity at delivery:	approx. 40 dPa's (Thermo Haake VT 2 plus, MK1 at 20°C)
pH-value:	5 - 7
Solid content:	approx. 58 %

Further properties

Washability:	On paper and non-woven is a high level of washability achievable (symbol 3 waves).
Light fastness:	WS 5 - 6
Others:	Substrate material and processing conditions can affect the properties. Therefore we recommend basically self-audits of the properties be achieved on the finished products.

Application Technology Advice

Adjustment of viscosity:	The product can be adjusted with water to get the required printing viscosity.
Toning:	The product can be colored with our high concentrated heat resistant inks of the series FOLCO [®] AQUASCREEN FS 10.
Application technique:	The product is optimized for application in gravure printing method.

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Application Technology Advice

- Drying/foaming:** Generally drying and foaming should be done in dry air circulation channels with range control. To achieve an optimum tightness pre-drying should be done at approx. 100°C and foaming afterwards between temperatures of 120°C and 150°C. However, the product can still be foamed up to 24 hours after the pre-drying process. The exact adjustment of the drying channel depends on the printing speed, the quantity to be applied, and the size of the channel and must be determined individually. If the application temperature is higher than 150°C or the exposure time in the dryer is too long a foam reduction and insufficient mechanical tightness are possible.
- Speed:** The achievable printing speed importantly depends on applied quantity, substrate material, type of machine, temperature and air conditions in the drying channel.
- Cleaning:** With water, if necessary could be used a stencil cleaner. The material should not be allowed to dry out on the printing cylinders.

Other advice

- 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. When kept 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 remains has to be proved before use. Inks have to be stirred well before use.

This data sheet replaces all former technical information.

Last change: 26.01.2010

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.