

Technical Information

Article-No.: 15290-136

FOLCO[®] FOAMCOAT FQ 3612 SOFTTOUCH

General Information

Type of product:	Thermal-reactive foaming structure paste based on synthetic dispersions.
Field of Application:	The product is designed for the manufacture of paper and non-woven products (e.g. wallpapers) with structured surfaces suitable for the gravure and screen print.
Properties:	<ul style="list-style-type: none">• flat foaming volume• soft, suede-similar surface feeling• 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:	≈ 60 - 70 dPas (Thermo Haake VT 2 plus, MK1 at 20°C)
Solid content:	≈ 42 %

Further properties

Washability (EN 12956):	On paper and non-woven wallpapers 2 waves can be reached.
Light fastness:	WS 5 – 6
Others:	Basic material and processing conditions can affect the properties. Therefore, we recommend that basically self-audits of the properties be achieved on the finished products.

Introductions for use

Printing Viscosity:	The product can be adjusted with water to get the required printing viscosity.
Colouring:	The product can be colored with our heat resistant basic inks of the series FOLCO [®] AQUASCREEN FS 10.

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Application Technology:	Gravure and screen printing. Accordingly diluted is applicable with an air knife.
Retarder:	The drying of the product can be retarded with FOLCO VERZÖGERER 3061. Please add not more than 5 % into the product. Pay attention to the technical information.
Drying:	Generally drying and foaming should be done in an air circulated drying channel with range control. To achieve an optimum tightness pre-drying should be done at approx. 100°C and foaming afterwards at temperatures between 120°C and 150°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 quantity to be applied, and the size of the channel and must be determined individually. If application temperature is higher than 150°C or the exposure time in the dryer is too long a foam reduction and insufficient mechanical tightness is possible.
Printing speed	The possible printing speed depends on the printing material, type of machines, temperature and the air condition in the channel
Cleaning:	With water, eventually could be used a stencil cleaner. The product should not get too dry.

Additional advices

Safety advice	While handling the product please attend to the information in the safety data sheet.
Storage	By temperatures between +5°C and +25°C the product is storable 3 months. The storage life could be impaired as a result of contamination and thinning. Consequently the usability of the product taken from opened containers must be checked before use. 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.