

# Technical Information

Article-No.: 15640-900

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## FOLCO<sup>®</sup> AQUASCREEN FS 10 - 900 EFFEKTBINDEMITTEL effect binder

### General information

Type of product	Aqueous product based on synthetic resin dispersion.
Field of Application	After adding of glitter pigments into the product FS 10 - 900 effect binder is suitable for printing on paper, non woven and vinyl wallpapers using the rotary screen printing process. FS 10 – Glitter and pearlescent pigment are applicable as well.
Properties	<ul style="list-style-type: none"><li>• forms a transparent film after drying for optimized glitter and pearlescent effect</li><li>• good adhesion to paper, non woven and vinyl wallpapers</li><li>• high migration resistance</li><li>• high thermo stability</li><li>• suitable for embossing and hot embossing</li><li>• long open time</li><li>• it does not release any unpleasant odours</li></ul> <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 printing material.</p>

### Characteristics

Viscosity	approx. 40 dPas Haake VT 2 plus, MK1 20 °C
pH-value	7 - 9
Solid content	approx. 22 %

### Further properties

Washing Values	With the product printed on paper, non woven and vinyl wallpaper can be reached high washing values (symbol 3 waves) according to EN 12956.
Temperature stability	The product is usable for vinyl wallpaper printed under the usual conditions.
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.

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### Introductions for use

Printing Viscosity	The printing viscosity can be adjusted by adding water.
Processing technology	The product has been developed for screen printing. The glitter pigment should be stirred homogeneous into the binder. For getting of good printing properties we recommend to use hexagonal polyester glitter. The hole diameter of the screen printing stencil should have the twice of the glitter diameter.
Speed	The possible printing speed depends on the printing material, type of machines, temperature and the air condition in the channel.
Drying	Because of the high application quantity the appropriated drying capacity is required. For an sufficient film forming of the product we recommend the drying temperature of min. 130 °C. The temperature resistance of the glitter should be attended.
Cleaning	With water, eventually could be used a stencil cleaner. The product should not get too dry therefore it should be cleaned or covered immediately when printing process is stopped.

### Additional advices

Safety advice	While dealing with the product please attend the information 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 3 month. The storage life is reduced as a result of contamination and thinning. Consequently the usability of printing inks taken from opened containers and residual inks must be checked before use. The product have to be stirred well before use.

This data sheet replaces all former technical information.

Last change: 07.01.2015

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.