

Series FOLCO[®] SOL phthalatfree standard plastisoles for wallpaper

General

- Kind of product: Dispersion of PVC-powder in plasticizer.
- Field of Application: The series **FOLCO[®] SOL S-RSD-B** (bouclé foam plastisols), **S-RSD** (foam plastisols), **K-RSD** (compact plastisols) and series **FOLCO[®] SOL S-RSD-PE** and **K-RSD-PE** (effect plastisols) are all suitable for rotary screen printing on paper and nonwoven papers.
- Properties: High light fastness (minimum WS 7 - 8 in full shade acc. to EN ISO 105-B02)
Available characteristic visual effects
- bouclé foam
 - flat foam
 - Alcantara foam
 - foam for printing with inhibitor
 - foam for hot embossable coatings
 - compact opaque plastisol
 - glossy compact plastisol
 - phthalatfree
 - compact effect plastisol
 - foam effect plastisol

Application Technology Advice

- Adjustment of viscosity: Dependent on the fineness of the stencil the production viscosity is:
1000 to 2500 mPas - compact plastisols
1500 to 10000 mPas - foam plastisols
With Isoparaffine qualities (solvents) free of aromatic hydrocarbons with boiling temperatures of 180 to 200°C or else with phthalate plasticizers for special applications.
- Toning: Possible with **FOLCO[®] LOR FEP**.
- Technical requirements:
- | | |
|---------------------------|---|
| Fond printing, compact: | 40 to 70 mesh (LR and standard stencils) |
| Design printing, compact: | 70 to 155 mesh (Penta-, Nova-LR-, SP- and standard stencils) |
| Effect plastisols: | Depending on the tone 60 to 130 Mesh (SP-, LR- and standard stencils) |
| Flat foam: | 40 to 105 Mesh (SP-, LR- and CH-stencils) |
| Bouclé foam: | 40 to 80 Mesh (SP-, LR- and CH-stencils) |

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Application Technology Advice

- Printing speed: Dependent of the kind of design it is possible to print with speed of up to 80m/min.
- Gelling:
- Between the printing stations 120 until 180°C.
 - Channel with recirculated air from 180 until 220°C, dwell time up to 60 seconds max.
 - ALCANTARA-foams are recommended to be gelled with lowest possible temperature (approx. 195°C)
- Embossing:
- suitable for hot deformation
 - products with special requirements available
- Others:
- For best possible printing properties we recommend to use smooth paper qualities either coated or uncoated. The plastisols are optimally adjusted regarding their sedimentation stability, however, dependent on the storage time and condition a sedimentation cannot be entirely excluded. Hence, it is necessary to stir the plastisols before use thoroughly but gently with a mechanical stirrer.

Other advice

- Safety advice: Please check the safety data sheet before handling, storage or processing.
- Variety of assortment:
- FOLCO[®] SOL S-RSD-B** foaming plastisol with bouclé character
- FOLCO[®] SOL S-RSD** foaming plastisol with smooth surface
- glossy to silk opaque
 - ALCANTARA-effect
- FOLCO[®] SOL K-RSD** compact plastisols in following visual effects
- glossy, white
 - glossy, transparent
 - opaque, white opaque, transparent,

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Other advice

Variety of
assortment:

FOLCO[®] SOL K-RSD-PE

compact effect plastisols in following visual effects

- pearl gloss
- GOLD
- SILVER
- COPPER
- metal effect colours
- interference colours
- after glowing effect

FOLCO[®] SOL S-RSD-PE flat foam effect plastisols

- GOLD
- SILVER

Storage

Cool and dry, protect from direct heat influence – ideal at temperature of 5 up to 30 °C.

This data sheet replaces all former technical information.

Last change: 19.01.2017

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.