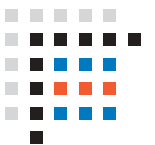




SEFAR® VARIO

The special mesh for
screenprinting rear windscreens



S E F A R

SEFAR® VARIO – the special mesh for screenprinting rear windscreens

SEFAR® VARIO simplifies the process of screenprinting rear windscreens in the automobile glass sector. Thanks to SEFAR® VARIO, differing deposits of printing paste can be applied in one printing operation. Depending on the requirements, two printing operations are needed to achieve this if conventional meshes are used.

Different layers of paste

Different layers of paste can be applied in one printing operation with SEFAR® VARIO. As compared with the layer of paste in heating conductor zone A, the layer applied in zone C is about 60–70% more.

Customer-specific production

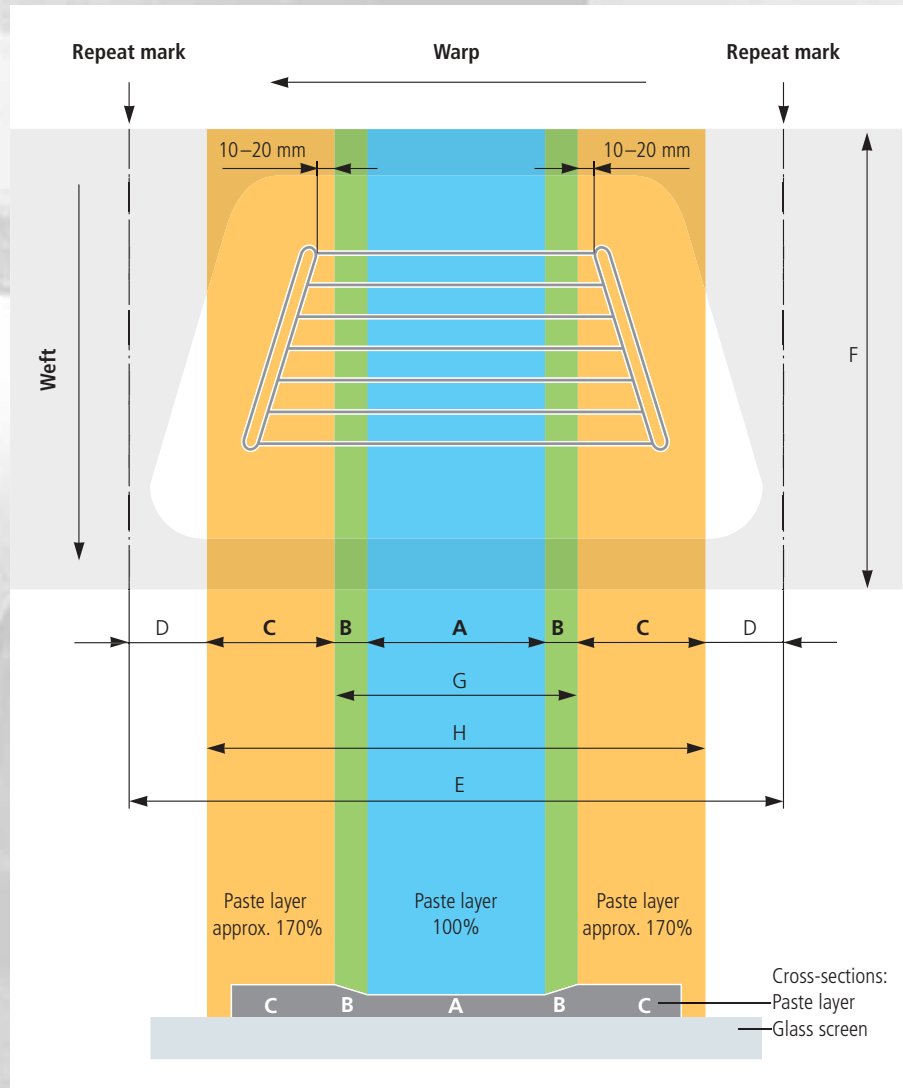
SEFAR® VARIO adapts to the technical conditions set by your heating patterns. You can specify the dimensions of the zones for minimum and maximum ink layers, the repeat length, and so on.

Very good reproducibility

SEFAR® VARIO allows controlled reproduction of the printed pattern and the paste layers so as to ensure consistently high-quality prints.

Cutting production costs

SEFAR® VARIO means that you can save one printing operation in the production process – a major rationalization that will cut your costs.



Zones

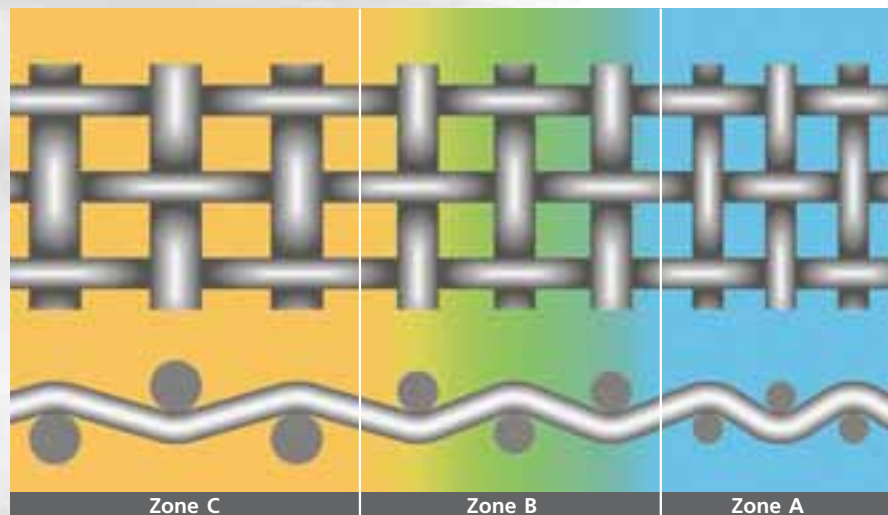
Dimensions

A	Minimum ink layer	Customer-specific
B	Transition	Customer-specific
C	Maximum ink layer	Customer-specific
D	Masking area	Customer-specific
E	Repeat length	Customer-specific
F	Mesh width	approx. 2120 mm
G	Heating zone*	Customer-specific
H	Printed zone	Customer-specific

*Take the mesh stretching into account:

approx. 3% with 15–20 N/cm,

approx. 4% with 20–25 N/cm



SEFAR®VARIO – key features and benefits at a glance

- *Stencil production*
You save one stencil
- *Printing process*
You save one printing line or one step of the process – the electroplating process may be eliminated
- *High reproducibility*
Consistent quality even with large print runs and several stencils
- *Quality*
Fewer production errors
- *Design / technology*
Narrower distribution areas are possible, giving more leeway for technical innovations and new designs
- *Subsequent processing*
Increased reliability because of a higher silver deposit at the soldering points



Processing tips

Stretching

The repeat length is marked by a continuous black thread. The mesh should be centred for stretching. We recommend to use a precision stretching system such as SEFAR® 2, SEFAR® 3A or SEFAR® 5.

Mesh tension

The mesh tension should always be checked in the middle of the heating conductor zone (A), or in the middle of the frame, using a SEFAR® TENSOCHECK 100. With the measuring methods that are customary nowadays, varying indications are obtained due to the partial differences in the mesh structure.

With mesh tension of 20 N/cm, stretching of approx. 3% can be expected.

Technical data

Basic principle	Different mesh thicknesses and apertures are obtained by varying the mesh parameters. This is why the "appearance" of the mesh differs significantly from that of traditional screenprinting meshes.
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Name	SEFAR®VARIO
Basic structure	monofilament polyester mesh 77–48 = warp
Mesh width	approx. 212 cm
Repeat length	max. 300 cm
Zones A and C	customer-specific
Zone B	customer-specific
Mesh colour	white or yellow

Stencil production

Accurate stencil technology is required when you use SEFAR®VARIO. Test exposures must always be assessed in areas A, B and C. If you have any technical questions, the Sefar Technology Center will be glad to advise you.

Orders and deliveries

SEFAR®VARIO VARIO is produced to order, in line with the customer's specifications.

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Be Safe. Be Sefar.

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