

FAQ (Frequently Asked Questions)

Printing Solutions

Mesh

Choice of mesh

Product overview of Sefar mesh

[Overview product brochures](#)

Questions about screen printing mesh

How does the mesh nomenclature work?

[Detailed description of mesh nomenclature \(PDF 899 kb\)](#)

Why is dyed mesh used?

Yellow-dyed mesh prevents light undercutting of the film positive during exposure

When UV light strikes a yellow thread, only yellow light is reflected – which does not affect the emulsion

Dyed mesh should always be used for printing fine lines, text and halftone images

When exposing with CtS (Computer to Screen) the impact of dyed mesh is considerably reduced

[Detailed description of dyed mesh](#)

What is the significance of the weave?

Weave describes the way the warp and weft threads are interwoven

Sefar uses plain and twill weaves

[Detailed description of weave type](#)

What is mesh opening?

[Detailed description of mesh opening](#)

What is the maximum resolution for a given mesh regarding lines?

[Detailed description of resolution characteristics](#)

What is the maximum resolution for a given mesh regarding half-tones?

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[Go to content](#)

Detailed description of resolution characteristics

Stretching

Questions about mesh stretching

How taut can a mesh be stretched?

This depends on the type of fabric, thread count, thread diameter, the mesh size, and the stretching system used.

[Possible tensions for SEFAR PA, SEFAR PET 1500 and SEFAR PME \(PDF 158 kb\)](#)

When should a SEFAR 2 or 3A one-circuit system be used?

The one-circuit systems are suitable for frame lengths up to 150 cm

Detailed description of one-circuit systems

When should a SEFAR 2 or 3A two-circuit system be used?

The two-circuit systems are appropriate for frame lengths exceeding 150 cm

Detailed description of two-circuit systems

What is a Sefar long-stroke clamp?

A regular SEFAR 2 or 3A clamp with an extended piston stroke, in order to stretch large screens

How is mesh tension measured?

We recommend using a SEFAR Tensocheck 200

Detailed description of SEFAR Tensocheck 200

How to check the screen tension?

Checking mesh tension

What are the possible causes for loss of tension?

Possible causes for loss of tension

Stencil-making

Questions about stencil-making

Why is it necessary to pre-treat mesh before coating it with emulsion?

Pre-treatment of screen printing mesh

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[Go to content](#)

What is a step exposure?

Detailed description of step exposures

How to make a step exposure?

Making a step exposure

What problems can occur with stencils with direct emulsion?

Troubleshooting stencils with direct emulsion

What is the correct coating thickness?

Coating thickness vs. printing job

Half-tone

Questions about half-tone printing

How must films be angled in 4-color printing?

Angling 4-color separation

How can I avoid moiré interactions between the mesh and the film?

Mioré between film and mesh

What is a printing process line?

Half-tone printing process line

What half-tone rulings can be printed?

Half-tone count

Printing

General questions about screen printing

What are the possible reasons for color shifts within a print run?

Color deviations

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[Go to content](#)

How can the snap-off distance be measured?

Snap-off distance

What is the relationship between 'mesh distortion' and the snap-off distance?

Mesh distortion as a consequence of snap-off

fabric&weather

fabric&weather

What are fluoropolymers?

What are fluoropolymers?

Which fluoropolymers are used for fabrics?

Which fluoropolymers are used for fabrics?

What are fluoropolymer fabrics?

What are fluoropolymer fabrics?

What are the advantages of fluoropolymer fabric?

What are the advantages of fluoropolymer fabrics?

Are there any colored fluoropolymer yarns?

Are there any colored fluoropolymer yarns?

Are fluoropolymer fabrics printable?

Are fluoropolymer fabrics printable?

What is PTFE?

What is PTFE?

What is e-PTFE?

What is e-PTFE?

What is Tenara?

What is Tenara?

What are Tenara fabrics?

What are Tenara fabrics?

What are e-fabrics?

What are e-fabrics?

What are PTFE fabrics?

What are PTFE fabrics?

What is membrane building?

What is membrane building?

Why are plasticizers dangerous?

Why are plasticizers dangerous?

What are biaxtests?

What are biaxtests?

What are light-transmitting fabrics?

What are light-transmitting fabrics?

What are fire tests?

What are fire tests?

What are weathering tests?

What are weathering tests?

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fabric&glass

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What are VISION fabrics?

What are VISION fabrics?

Are VISION fabrics printable?

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What are the basic types of VISION fabrics?

What are the basic types of VISION fabrics?

With which metals is VISION fabric metallized?

With which metals is VISION fabric metallized?

Why is there no copper in VISION fabrics?

Why is there no copper in VISION fabrics?

Can bird strikes be reduced with VISION?

Can bird strikes be reduced with VISION?

What is the g-value?

What is the g-value?

Can the g-value of a building be set with VISION?

Can the g-value of a building be set with VISION?

What is light-transmission?

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What is light reflection?

What is light reflection?

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[Go to content](#)

What is light absorption?

What is light absorption?

Why is transparency not lost when using VISION fabrics?

Why is transparency not lost when using VISION fabrics?

Can any glassmaker laminate VISION fabric?

Can any glassmaker laminate VISION fabric?

What does 'Inlaid Partner' mean?

What does 'Inlaid Partner' mean?

What is laminated glass?

What is laminated glass?

How are VISION fabrics tailored?

How are VISION fabrics tailored?

Can VISION be tailored to window dimensions?

Can VISION be tailored to window dimensions?

fabric&light

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What are light-transmitting fabrics?

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Which fluoropolymers are used for fabrics?

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[Go to content](#)

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Are fluoropolymer fabrics printable?

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What is PVDF?

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What are light ceilings?

What are light ceilings?

What are stretched/stretch ceilings?

What are stretched/stretch ceilings?

What are fire tests?

What are fire tests?

What is opacity?

What is opacity?

What is clarity?

What is clarity?

What is Lightframe?

What is Lightframe?

What is Lightceiling?

What is Lightceiling?

What are the benefits of a two-layer light blanket?

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How is the acoustic effectiveness of fabric systems tested?

How is the acoustic effectiveness of fabric systems tested?

What is light-transmission?

What is light-transmission?

What is sound reflection?

What is sound reflection?

What is sound absorption?

What is sound absorption?

What is the absorption coefficient?

What is the absorption coefficient?

What is the absorption level?

What is the absorption level?

Why are there perforated fabrics?

Why are there perforated fabrics?

What are acoustic blankets?

What are acoustic blankets?

What is a reverberation chamber?

What is a reverberation chamber?

What is light absorption?

What is light absorption?

TENARA

TENARA Fabrics

What is SEFAR Architecture TENARA Fabric made of?

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What is PTFE?

What is PTFE?

How is SEFAR Architecture TENARA Fabric different from 'PTFE/glass' fabrics?

How is SEFAR Architecture TENARA Fabric different from 'PTFE/glass' fabrics?

Does SEFAR Architecture TENARA Fabric protect one from UV?

Does SEFAR Architecture TENARA Fabric protect one from UV?

How does SEFAR Architecture TENARA Fabric impact the environment?

How does SEFAR Architecture TENARA Fabric impact the environment?

How long will it last?

How long will it last?

Isn't SEFAR Architecture TENARA Fabric, simply 'GORE-TEX' Fabric?

Isn't SEFAR Architecture TENARA Fabric, simply 'GORE-TEX' Fabric?

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Can I print on SEFAR Architecture TENARA Fabric?

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What seaming methods can be used with SEFAR Architecture TENARA Fabric?

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Is SEFAR Architecture TENARA Fabric available in colors?

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