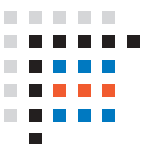




SEFAR® LFM

A small difference with a huge effect

**The new screen printing mesh
for large formats**



SEFAR

A small difference with a huge effect
SEFAR® LFM – the new screen printing mesh for large formats

This mesh has been specially developed for large format screen printing. It meets the toughest demands for printing onto wide surfaces like posters, glass, and in textile transfer printing. Even difficult colours and designs reproduce with top printing quality.

Finer threads and larger, uniformly precise mesh openings

Mesh for large format printing has traditionally been woven from threads with a diameter of 34 microns. With its reduced thread diameter – just 32 microns – SEFAR® LFM has remarkably larger mesh openings and hence an increased open surface area. But that is not all: not only are the mesh openings larger, a modified weaving process makes them more precise as well. Printing with translucent and other sensitive inks does not leave traces of the mesh structure, lines and stripes. The new mesh design produces more uniform ink deposit, finer colour-value gradation, and sharper-edged fine lines and screen dots. Increased reproducibility on subsequent print runs is another quality feature of SEFAR® LFM.

Extra-strong thread, specially developed for Sefar

SEFAR® LFM mesh uses a novel thread material that has been specially developed for Sefar and offers some outstanding characteristics:

- 32 micron thread diameter
- Exceptionally high resistance to tearing
- Minimal elongation
- Modest loss of tension

Minimal elongation and modest loss of tension

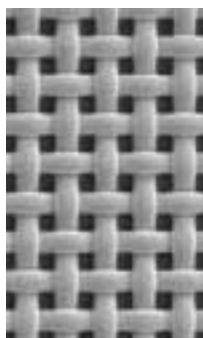
The greater the mesh elongation, the greater the loss in thread count. SEFAR® LFM elongates less than existing screen printing meshes, which helps to maintain the thread count of the stretched mesh. That guarantees better resolution, along with increased printing quality, and less risk of moiré effects.

Because this mesh is subject to considerably less relaxation in tension, the same stencil can be used more often and/or for longer print runs, which helps to reduce costs.

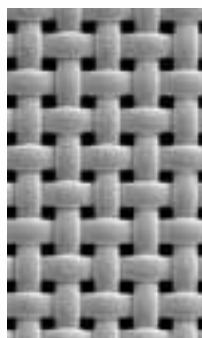


Application areas

SEFAR® LFM sets new benchmarks for screen printing: large format posters, textile transfer printing, glass, etc.



Mesh-opening with SEFAR® LFM 150-32 PW (1:1)



Mesh-opening with standard high-modulus mesh 150-34 PW (1:1)



High-strength mesh

The new, 32 µm diameter LFM thread is practically as tear-resistant as conventional 34 µm thread. So despite the thread and mesh being finer, stretching requires no changes to the existing process.

Checking the mesh tension with SEFAR® Tensocheck 100: Equal high tension, less tension loss than conventional meshes



The benefits at a glance

- With its reduced thread diameter of just 32 microns, SEFAR® LFM guarantees a more uniform ink deposit, finer colour-value gradation, reduced risk of moiré, improved edge sharpness, and better reproducibility on subsequent print runs.
- Optimal range of extended-width meshes for large format printing with UV inks.
- High strength makes mesh stretching just as problem-free as before, despite the finer threads.
- Special Sefar surface treatment streamlines stencil production, improves adhesion of the stencil material, and results in a uniform ink deposit along with extremely high printing quality.
- SEFAR® LFM increases process reliability and stencil life, while reducing costs.

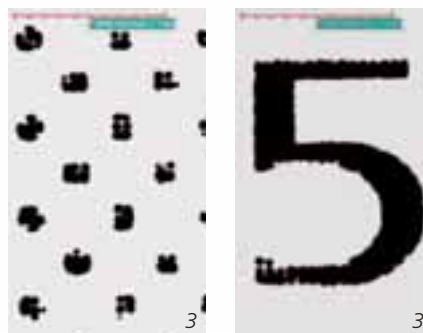
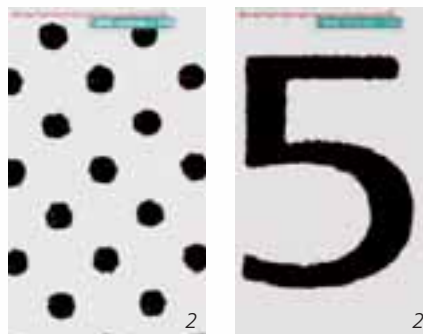
Thin mesh with special surface treatment

Finer threads make thinner mesh. Yet ink consumption is the same despite the increased open surface, which has particular economic relevance with UV inks.

LFM mesh features a special Sefar surface treatment. This means:

- Better adhesion of the stencil material, so fine screen dots and lines stay firmly attached
- Improved ink release characteristics and uniform ink deposit
- No mesh degreasing necessary, rinsing suffices
- Longer stencil life

Poster screen printing



1 film
2 printed with SEFAR® LFM 150-32
3 printed with standard high-modulus mesh

(20x magnification)



The adhesion test proves it: stencil material adheres very well; fine screen dots and lines stay firmly attached

Sefar trump cards

- Extensively user-tested screen printing mesh with Sefar guarantee
- Advice and support from Sefar and their marketing partners
- ISO-certified manufacturing process
- Market-oriented range with optimum delivery service

Be Safe. Be Sefar.

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Successful tests

Customers report on their experiences with SEFAR® LFM:

"We didn't believe that we could see a stronger mesh with a thinner thread, but Sefar showed us that their new Large format mesh (LFM) could do it. The increase in open area allowed us to increase our tonal range, helping us to hit color faster and reduce moiré. We have been running it ever since they brought it in our shop."

*Craig Franzen
President, Franzen LithoScreen*

"Since the mesh is thinner, we see a reduction in our Rz measurements. As a result, our dots are cleaner and we see fewer problems with moiré and dot stacking."

*Dennis Kober
Production Manager, Continental Identification Products*

"The SEFAR® LFM mesh strength is a lot better than we've seen with other screen printing mesh. Mesh durability is absolutely beneficial for our multi-color processes. We have been able to virtually eliminate moiré; there is a lot less mesh/dot angle interference. We can stretch the LFM mesh to tensions we prefer rather than having to back off due to a lack of mesh strength.

The SEFAR® LFM mesh handles press impressions wear better than other mesh available. We didn't need to change our coating procedures when we switched over to this mesh. We also didn't need to change any of our pre-press curves.

The LFM holds printable tension longer than other mesh. We also don't need to have a dwell time after getting the mesh up to tension, we can glue immediately."

*Scott Schulte
President, Modernistic, Inc.*