



XTEND Mesh Adhesives Screen Recovery System

SERIFIX/2-EXTRA – SCREENFIX

Serifix/2-Extra:

is a catalysed mesh mounting adhesive which provides a strong, permanent bond. Suitable for wood, steel, aluminium or painted frames and nylon, polyester and stainless steel fabrics.

- Extremely easy to use.
- Good pot life and a fast cut-out time.
- When cured, it is resistant to most solvents generally used in screen printing.

Screenfix:

is a catalysed mesh mounting adhesive with similar performance characteristics to Serifix/2-Extra, but with the additional benefit of improved resistance to a wide range of solvents.

- Extremely easy and economical to use.
- Good pot-life and fast cut-out time.
- When cured, it is fully resistant to all solvents generally used in screen printing.

Pre-treatment of Frames

New wooden frames do not normally require any special pre-treatment provided they are clean and dry. Steel and aluminium frames should be roughened with an abrasive and thoroughly degreased with Acetone or MEK (Methyl Ethyl Ketone). It is strongly advised that all aluminium frames should be primed with the adhesive to be used and cured prior to mounting the mesh. All traces of rust, oxidation, grease and other impurities must be removed. Painted metal frames should be degreased and it is advisable to establish that the painted surface is compatible with the adhesive. Serifix/2-Extra and Screenfix may be applied directly over a previous layer of any of these adhesives, provided they are thoroughly keyed, flat and even. **Residues of other adhesives should be removed as these could adversely affect adhesion.**

Instructions for Use - Serifix/2-Extra/Screenfix

Thoroughly shake the base and catalyst before every use to ensure contents are fully dispersed - then mix ideally by weight:

Serifix/2-Extra:

1 part Serifix Catalyst to 10 parts Serifix Base

Screenfix:

1 part Serifix Catalyst to 5 parts Screenfix Base

Sericol Measuring Cups are disposable paper cups with a capacity of 250 ml and are ideal for mixing a convenient quantity for most applications. Measure the required quantity of base into the cup and add the appropriate amount of hardener with a 5 ml measuring spoon. The product has sufficient tolerance to slight variations, e.g. half a 5 ml spoonful instead of 2 ml exactly, but excessive or lack of catalyst can lead to poor solvent resistance. Do not mix more adhesive than is likely to be used within the 30 minute pot life.

The components should be mixed thoroughly in a clean container. This is most important as an uneven mixture or the presence of other substances, including traces of water, will adversely affect the performance of the adhesive.

Container lids should always be replaced in order to prevent reaction with atmospheric humidity. The base will thicken on exposure to extreme cold, below 0°C, but will return to normal consistency when brought back to room temperature, 20°C. This process can be hastened by placing the container in warm water for a period of 15 minutes. In such cases it should be thoroughly shaken before it is dispensed from its original container. **It is recommended that gloves are worn when handling all mesh adhesives as they may cause rashes or similar disorders if allowed to come into continuous contact with skin. It is also recommended that they are used in a well ventilated area.**

Using a stiff, short haired brush, apply Serifix/2-Extra or Screenfix through the stretched fabric onto the frame. Ensure good contact between fabric and frame, and especially with fine mesh ensure that the adhesive has been worked thoroughly through the mesh onto the frame surface. Allow to dry for a minimum of 20 minutes before cutting away from the stretcher. In cold and damp conditions and when stretching stainless steel, coarse and high tension mesh, extra time should be allowed. Screens can be degreased and stencils applied approximately 2 hours after application of the adhesive, but should be left to cure overnight before being exposed to strong solvents or high temperatures. Brushes used with Serifix/2-Extra or Screenfix should be cleaned immediately after use by wiping off excess adhesive with a rag or absorbent paper and submersing in Rigid Thinner (ZV541). Prior to further use the Rigid Thinner should also be wiped off.

Standard Packing

Serifix/2-Extra Screen Mounting Adhesive:

SFL93 Base Only - 5 ltr containers

SFE05 Serifix Catalyst - 1 ltr containers

Screenfix Screen Mounting Adhesive:

KWR29 Red: Base only - 5 ltr containers.

KWR30 Green: Base only - 5ltr containers.

SFE05 Serifix catalyst - 1ltr containers.

KWT31 Screenfix Thinner - 1ltr containers

Mesh Adhesives

Storage

Containers should be tightly closed immediately after use. Keep away from heat sources, out of direct sunlight and away from organic peroxides.

When stored in such conditions Serifix and Screenfix have a shelf life of approximately 12 months from date of manufacture.

Fujifilm Speciality Ink Systems Limited:

- Has certification to the International Environmental Standard, ISO 14001.
- Is committed to minimising the risk to users of our products, and also to minimising the impact of our activities on the environment, from formulation through to production and supply.
- Research & development team, work to an in house Health, Safety and Environmental policy, termed 'Design for Health, Safety and Environment', with the aim of proactively developing products with the least impact on health, safety and the environment.
- Regularly review and monitor our impacts and activities, setting objectives and targets as part of a continual improvement process.
- Is committed to reducing waste through better use of raw materials, energy, water, re-use and recycling.

Safety and Handling

Serifix/2-Extra and Screenfix Screen Mounting Adhesives :

- Are formulated to be free from any chemicals toxic to health, carcinogenic, mutagenic or reprotoxic according to Directive 67/548/EC.
- For optimum shelf life, all products should be stored at moderate temperatures, between 5°C and 30°C. Storage outside of these temperatures may lead to deterioration in the performance of the product.

Serifix Catalyst:

- **Contains isocyanate and should not be used by persons suffering from bronchitis or asthmatic symptoms.**

Comprehensive information on the safety and handling of these products is given in the appropriate Fujifilm Safety Data Sheets, available upon request.

Environmental Data

Serifix/2-Extra and Screenfix Screen Mounting Adhesives:

- Do not contain ozone depleting chemicals as described in the Montreal Convention
- Are formulated free from aromatic hydrocarbons.

Mesh Adhesives

Problems and Solutions

Faults

Probable Cause and Remedies

1. Mesh delaminates from new wooden frames.	a. Check frame is dry. b. Resin exuding from timber - Apply and cure one coat of adhesive onto frame as a sealer before covering.
2. Mesh delaminates from mild steel or aluminium frames.	a. Surface insufficiently prepared to enable adhesive to key - Prepare again and degrease with either Acetone or MEK (Methyl Ethyl Ketone) also prime frame surface with one cured coat of adhesive before covering.
3. Lack of adhesion in general to all types of frame.	a. Insufficient adhesive worked through the mesh onto frame surface - Take extra care, especially with fine meshes. In cold and damp conditions and when stretching stainless steel and coarse meshes, extra curing may be required before cutting away from stretching equipment. b. Insufficient or uneven contact between mesh and frame during curing of the adhesive - Remove old adhesive/ink residues and keep frame and mesh in close contact; check frame is not warped. c. Reaction to previously used adhesive - Remove old adhesive. d. Adhesive mixed to incorrect ratio - Check component proportions. e. Adhesive base and hardener not fully mixed - Always shake base and catalyst thoroughly before every use. f. Catalysed adhesive has over reacted - Do not exceed recommended pot-life. g. Adhesive has been exposed to excessive heat before being fully cured.
4. Embrittlement of dried coating	Adhesive layer too thick or uneven, use a card to apply a thinner layer.

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