



# Silk Screen Inks

## Products Information

[www.sabinecolors.com](http://www.sabinecolors.com)

### SFF-188R Screen Fix

#### PROPERTIES

Screenfix is a two pack screen mounting adhesive, formulated for fixing nylon, polyester or metal fabrics onto wood, steel, aluminum or painted metal frames. When fully cured, this adhesive is highly resistant to all solvents typically used in the screen printing process. It is very easy and economical to use and has a long uncatalysed pot life.



#### MIXING

Screenfix is a two pack system product with the following components:

Part A: Screenfix (SFF-188R)

Part B: Catalyst (SFF-188CA)

The two parts should be mixed together prior to use as follows:

1. Operators should wear gloves when handling Screenfix to avoid possible rashes or similar disorders.
2. Shake the base and catalyst before use and thoroughly mix the Screenfix and Catalyst in a ratio of 10:1 (w/w). Ensure the two parts are mixed in the correct ratio, as lack of or excessive catalyst can lead to poor solvent resistance.
3. Ensure that the two components are mixed in a clean container. Keep the container tightly closed after use to prevent reaction with moisture from the air.
4. Do not mix more adhesive than is likely to be used within the 30 min. (approx.) pot-life.
5. Keep Screenfix at the normal room temperature. Avoid keeping Screenfix at a temperature lower than 0oC (32oF), as this will cause the product to thicken. Screenfix can be brought back to its normal consistency by bringing it back to room temperature (20oC)

#### Pre-Treatment of Frames

New wooden frames do not generally need any special treatment if they are clean and dry.

Steel and aluminium frames should be prepared before stretching as follows:-

1. Roughen with an abrasive wheel
2. Thoroughly degrease with Solvent or Thinner.
3. Allow frames to totally dry.

#### INSTRUCTIONS FOR USE

- Use a stiff, short-haired brush to apply Screenfix through the stretched fabric onto the frame. Ensure good contact between fabric and frame and that the adhesive has been worked thoroughly through the mesh openings onto the frame's surface, especially when using finer mesh counts.
- Allow the adhesive to dry for up to 30 minutes before cutting the frame out from the master stretcher. In cold and damp conditions and when stretching stainless steel or coarse meshes, extra time should be allowed.
- Screens can be degreased and stencils applied about two hours after application of the adhesive, but they should be left to cure overnight before being exposed to strong solvent.
- Brushes used with Screenfix should be cleaned immediately after use by wiping off excess adhesive from the brush with a rag or absorbent paper before soaking in Thinner.

#### STANDARD PACKING

Screenfix is available in the following pack size:

SFF-188R 1 ltr Screenfix

SFF-188CA 0.10 ltr Screenfix Catalyst

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**STORAGE**

Screenfix should be cool dry area (above 0oC) away from direct sunlight. Containers should be tightly closed immediately after use, to prevent solvent evaporation and reaction with moisture from the air.

**SAFETY AND HANDLING**

Screenfix should be used with care. Wear suitable PPE, for example, appropriate gloves and safety glasses. This product should be used in a well ventilated area.

SFF-188R contains isocyanate and should not be used by persons suffering form bronchitis or asthmatics.

**ENVIRONMENTAL INFORMATION****Screenfix:**

- Does not contain heavy metals.
- Is formulated free from ozone depleting chemicals as described in the Montreal Convention

**PROBLEMS AND SOLUTIONS**

PROBLEMS SOLUTIONS	CAUSES SOLUTIONS	SOLUTIONS
1. Mesh delamination from new wooden frame.	1.1 Exuding of resin from timber	Apply one layer of Screenfix onto the frame as sealer and then allow it to dry before mesh tensioning.
2. Mesh delamination from mild steel or aluminium frames.	2.1 Insufficient preparation of surface to enable adhesion	Retreat the surface to roughen and egrease with solvent or Thinner
3. Lack of Adhesion	3.1 Adhesive mixed in incorrect ratio. 3.2 Adhesive base not fully mixed. 3.3 Catalyst not fully mixed. 3.4 Insufficient adhesive working through the mesh onto frame surface. 3.5 Insufficient or uneven contact between mesh and frame during the drying of adhesion. 3.6 Catalyzed adhesive over reacted. 3.7 Reaction to previously used adhesive.	Recheck the weight ratio of the two components. Always stir the adhesive base. Shake the catalyst before use. Take extra care, especially with fine mesh counts. Remove old adhesive/ink residues and keep frame mesh in close contact; check that frame is not warped. Catalyzed adhesive should not be kept longer than the recommended period. Remove old adhesive.