

2-PART SCREEN ADHESIVE

A 2-component adhesive for adhering mesh to screen printing frames

DESCRIPTION

A red, two component adhesive for adhering mesh to screen printing frames.

Applications

This product is ideal for high volume printers with automated cleaning equipment and screen stretching houses who require the highest levels of reliability.

READ ENTIRE TECHNICAL DATA SHEET BEFORE USING THIS PRODUCT

FEATURES & BENEFITS

- 2-Part Screen Adhesive is a two component system comprising a mixture of polymer resins and dyes in solvent and an isocyanate based hardener in solvent. Excellent solvent and chemical resistance and high sheer strength. Fast drying time. Mesh can be peeled from the frame for recovering.
- High sheer strength allowing maximum screen tensions to be achieved. High level of solvent resistance means that the protective over lacquers are not necessary. Fast cut-out times for efficient production. Reliability in use.

WORKING INSTRUCTIONS

Mixing

In common with other products of this type, Component A exhibits a tendency to separate during storage and should be shaken thoroughly before use. The two components should be mixed as follows:

Component A (Base): 10 parts (by volume) or 100 Grams (by weight)
Component B (Hardener): 1 part (by volume) or 11.75 Grams (by weight)

The mixed product has a pot life of 1 to 2 hours. Only enough product should be mixed that can be used within this time. The two components should be mixed thoroughly in the container supplied, with lid closed to prevent evaporation. Note that poor mixing, contamination with other substances (including traces of water), or use after 1 to 2 hours mixed, will adversely affect the performance of the adhesive. The mixed adhesive can be thinned by up to 20% with Brush Cleaner, as required.

Any mixed, unused product should be allowed to dry and harden in an open container, and then be disposed of as 'solid waste'.



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 wheel and then thoroughly degreased. All traces of rust, oxidation, grease and other impurities must be removed. Painted metal frames should be similarly degreased and it is advisable to establish that the painted surface is compatible with 2-Part Screen Adhesive.

All new aluminium frames should be prime coated by brushing a thin layer of product on the frame and allowing to dry thoroughly prior to stretching.

Bonding fabric to frame

Stretch the fabric over the frame with tensioning device and make sure that good contact is achieved between fabric and frame surface. Apply 2-Part Screen Adhesive using a suitable brush ensuring the fabric is fully encapsulated with the adhesive. Allow adhesive to dry thoroughly before cutting out frame. Typical drying time is 15 to 20 minutes at 20 to 25 °C (68 to 77 °F) at 55 to 65% RH. An efficient ventilation system with good solvent extraction will help reduce drying times. Release the stretch tension and trim off excess fabric. The frames will achieve maximum solvent resistant after about 24 hours.

Brushes can be cleaned using Brush Cleaner.

For more information on how to use MacDermid Autotype products, go to the How to Guide section at macdermid.com/autotype.

SHELF LIFE & STORAGE

In common with other products of this type, Component A will exhibit a tendency to separate on storage, particularly at low temperatures (below 5 °C/41 °F). Ideal storage conditions are between 15 to 25 °C (59 to 77 °F), out of direct sunlight. The containers are fully tested and UN approved for this product, however, elevated temperatures or exposure to sunlight may cause the container to distort, or the contents to escape under pressure.

Store sealed containers in an area where spillage may be contained, and out of the reach of children. Never use the product in aluminum containers or expose to moisture, or hot surfaces.

Shelf life at these conditions is 12 months.

PACKAGING

The Adhesive and Hardener are sold together in the following trade pack quantities:

12 x 1.1 Litre Kit: Each kit comprising 12 x 1 Litre Adhesive and 12 x 0.1 Litre Hardener, sealed mixing container and brush, packaged in individual boxes.

2 x 5.5 Litre Kit: Comprising 2 x 5 Litres Adhesive and 2 x 0.5 Litres Hardener, sealed mixing container and brush.



SAFETY & WARNING

MacDermid Autotype recommends that the company/operator read and review the Safety Data Sheets for the appropriate health and safety warnings before use.

Safety Data Sheets are available from MacDermid Autotype.

WASTE TREATMENT

Prior to using any recommendations or suggestions by MacDermid Autotype for waste treatment, the user is required to know the appropriate local/state/federal regulations for on-site or off-site treatment which may require permits. If there is any conflict regarding our recommendations, local/state/federal regulations take precedent.

CONTACT INFORMATION

To confirm this is the most recent issue, please contact MacDermid Autotype
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Also read carefully warning and safety information on the Safety Data Sheet. This data sheet contains technical information required for safe and economical operation of this product.
 READ IT THOROUGHLY PRIOR TO PRODUCT USE.

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