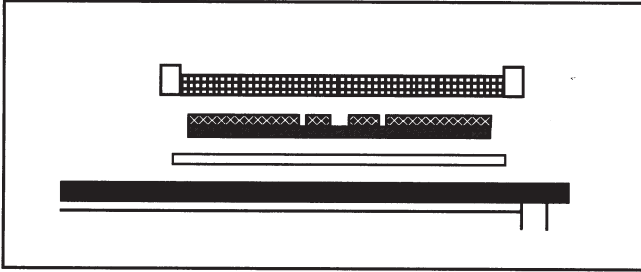


Ulanocut Green and Amba Technical Data

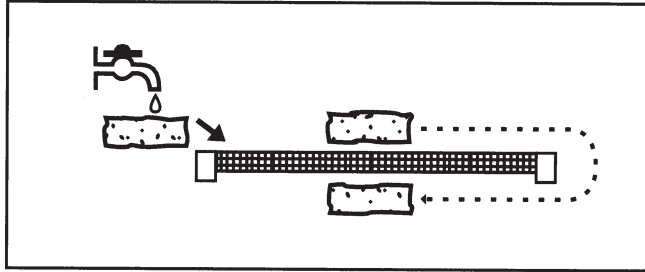
300-GAUGE POLYESTER BASE FOR SCREEN PROCESS PRINTING

Ulanocut is a screen process knife-cut film with high transparency on a 300-gauge polyester backing sheet. For adhering, use water only. Sticks back for corrections. Adhesion is excellent to all fabrics. Adhering technique is simple, fast, and clean. All inks are suitable except those containing water.



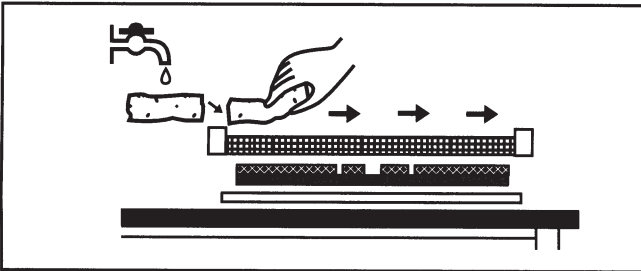
STEP 1: PREPARATION

Place cut stencil, emulsion side up, on a firm build-up board, which is smaller than inside measurement of frame. Position the prepared screen, squeegee side up, over film.



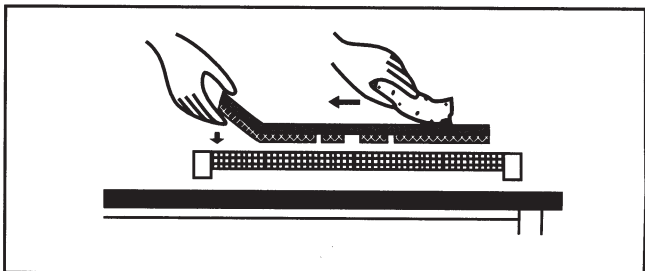
STEP 1: PREPARATION

This technique requires a clean, well stretched screen. Using a clean sponge, thoroughly wet both sides of the fabric with water.



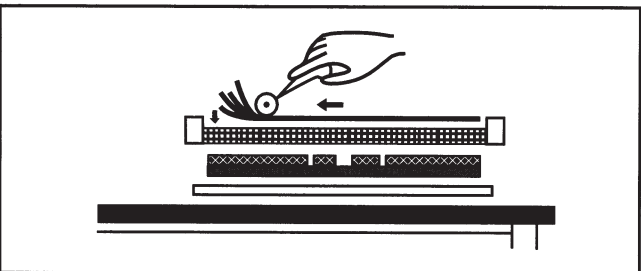
STEP 2: ADHERING

Saturate a sponge with water. Move the sponge slowly in one stroke over the fabric from the squeegee side. Slightly overlap the strokes until the entire surface is adhered. DO NOT RUB WITH THE SPONGE.



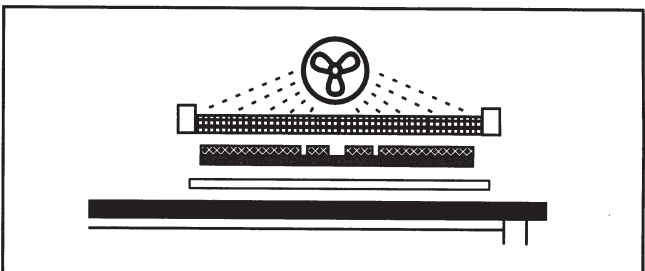
STEP 2: ADHERING

Place the emulsion side of the cut stencil against the bottom of the wet screen. Using light pressure, move the wet sponge over the entire surface of the plastic backing to adhere the film to the fabric.



STEP 3: DRYING

With the frame flat, blot the film from the squeegee side with newsprint. Peel off the backing sheet when the film is dry. The adhesive will remain on the backing sheet. A cold air fan may be used to speed drying.



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STRETCHING THE FABRIC

A mechanical or pneumatic stretching device is desirable for polyester, but is essential for nylon. Each fabric type and mesh count has a correct tension which should be used. The fabric supplier will furnish this information. Correct tensioning of the fabric permits printing without too much off-contact, avoiding the premature breakdown of Ulanocut.

FABRIC CLEANING

All screens, new or used must be prepared properly to insure tight adhesion and prevent breakdown.

MECHANICAL TREATMENT FOR SYNTHETICS

Dampen the screen with water. Sprinkle No. 2 Microgrit liberally on the printing side of the fabric. Moisten a natural-fiber rag (making sure to wring it out thoroughly). Scour the fabric until the rag begins to fray. Rinse the screen thoroughly from both sides - then degrease.

DEGREASING

All fabric, new or used, must be degreased as the final step before adhering the stencil.

Wet the screen thoroughly. Apply several drops of concentrated No. 3 Screen Degreaser Liquid to both sides of the screen with a wet medium stiff brush until a foam develops. Let the screen stand until the foam subsides. Rinse the screen thoroughly from both sides with hot or cold water.

If No. 3 Screen Degreaser Liquid is not available, you can achieve satisfactory degreasing with powdered tri-sodium phosphate, or one of the brands of automatic dishwasher powders (Finish, Cascade, Calgon, Electro-Sol, etc.). But be aware that these materials can contain insoluble particles which will clog the mesh; therefore, they should be used with caution. We do not recommend the use of household scouring powders for degreasing.

Ulanogel 23

Ulanogel 23 is an abrasive degreaser "gel" which mechanically abrades and degreases nylon and polyester fabric in one operation. Wet the screen. Dip the tip of a wet, medium stiff brush in Ulanogel 23, and brush it vigorously on both sides of fabric until a light foam develops. Let the screen stand until the foam subsides. Rinse thoroughly from both sides with hot or cold water.



Wait 2-3 minutes after blotting, then lift the frame for drying. Drying time can be reduced by using a cool air fan. Do not dry stencil in or near heat.



When the fabric is dry - but before the stencil is completely dry - areas of the fabric between the stencil and the frame must be filled in with No. 60 Screen Filler or No. 10 Extra Heavy Blockout. Use the Screen Filler on the back side of the screen - (over the polyester support. Ideally, stencil and Screen Filler will dry together, forming a tight "knit" along edges. This method shortens production time by combining drying times of the stencil and the Screen Filler.



When the Screen Filler and the stencil are *completely* dry, the backing sheet is ready to be peeled. The correct technique is to start at a corner and peel the polyester back at 180 degrees, slowly, parallel to the fabric. If there is any resistance in peeling the screen longer.



Remove ink with the proper solvent *as soon after printing as possible*. Ulanocut (and Screen Filler and Blockout) can then be removed with water, hot or cold.



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