NEENAH

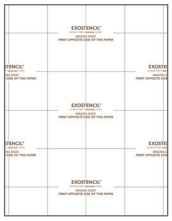
EXOSTENCIL™

Screen Prep Paper

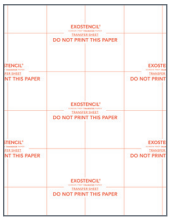
Produced with:
EXOSTENCIL™ Screen Prep Paper

EXOSTENCIL™ Screen Prep Paper is a revolutionary, environmentally friendly, "Chemical Free" way to make and reclaim screens. This simple, two step process eliminates the need for big investments, allowing you to get into production in just minutes. This process for manufacturing screens is appropriate for mesh counts from 85 – 230.

Equipment Needs: Laser Printer (We recommend the OKI® C831TS) and a Heat Press with 11" x 17" platen.



Imaging Sheet



Transfer Sheet

- Print image on paper with the **BROWN GRID** on the back

  Note: Early manufacturing runs used "Yellow" ink on the back side of the Imaging Sheet. Everything else is the same as the "Brown" grid referenced here.

- Print image to be **RIGHT-READING**

HEAT
RIGHT-READING

EXOSTENCIL™ SCREEN PREP PAPER INSTRUCTIONS

Design image | Print image negative on EXOSTENCIL™ Screen Prep Paper | Transfer adhesive to negative image | Place imaged area against the underside of screen | Print image

PRINTING INSTRUCTIONS:

1. Make a negative stencil-right facing image of the art to be screen printed. Include any alignment marks needed.
2. Use the 'heavy paper' setting to ensure fusing of the toners and 'high resolution' settings to ensure a continuous toner application. If not using an OKI® printer, printing the image with red or blue toner may result in a better image.
3. Inspect the EXOSTENCIL™ Sheet for areas of damaged coating resulting from mishandling (these areas will create voids in the stencil).
4. Load the EXOSTENCIL™ Screen Prep Paper with the brown grid on the back so that the image will appear on the plain, unprinted side of the paper and with the short dimension feeding into the printer (grain long).

IMPORTANT: If not using an OKI Printer, inspect the printed sheet with intense back lighting to ensure continuous toner application as voids in the toner will result in voids in the stencil. Pinholes indicate printer settings need to be adjusted to increase toner application. Toner adhesion can be tested by gently rubbing the image with a tissue. **Note:** If toner comes off, a different printer setting may be required.

OKI SUPPORTED

CONFIDENCE IN TEXTILES
Tested for harmful substances
according to Oeko-Tex® Standard 100
15.HUS.58035 HOHENSTEIN HTTI

MADE IN USA

EXOSTENCIL™ SCREEN PREP PAPER INSTRUCTIONS (CONTINUED)

APPLYING THE DRY ADHESIVE USING A HEAT PRESS:

Press Settings should be 200°F/93°C with 70 psi/5 bar pressure for 25 seconds

1. Position the yellow grid transfer sheet face down over the printed image.
2. Position the image paper transfer sheet face up on the bottom platen of the pan.
3. Press: 25 seconds at 200°F/93°C with heavy pressure (70 psi/5 bar).
4. Separate papers in a smooth, even motion while still hot, taking care to not burn fingers.

TRANSFERRING TO THE SCREEN USING A HEAT PRESS:

Press Settings should be 400°F/204°C with 60 psi/4 bar pressure for 2 minutes

1. Place the 85 – 230 mesh count screen on the heat press, with the frame facing down.
2. Position the image face down on the screen to ensure all images align. Keep the image about 1" from press edges for best adhesion.
3. Press: 2 Minutes at 400°F/204°C, 60 psi/4 bar. If not using an OKI® printer, start at 2 minutes at 350°F/177°C.
   Note: Obtaining desired adhesion may be challenging with some laser printers.
4. Allow the transfer paper to cool by waiving the screen in an up and down motion.
5. Peel the transfer paper away from the screen in one smooth motion.
6. Block the edges as you would with any screen.
7. Apply tape to spot repair any non-printed voids.
8. Use the screen stencil as you would an emulsion stencil.

"CHEMICAL FREE" SCREEN CLEANING INSTRUCTIONS:

Pressure wash with at least 1500 PSI (103 bar), ensuring that the stencil is removed from all pores. Some harmless staining may remain.

NEENAH PERFORMANCE MATERIALS

For more information about Neenah Paper Heat Transfer Papers:
neenahperformance.com/products/heat-transfer-paper
North America: 800.344.5287
Outside North America: 906.387.2700

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