DCF Supersharp

Super High Resolution Diazo-Based Capillary Film for Industrial Printing

DCF Super Sharp stencil film represents the result of years of work to create the finest direct stencil film available. DCF Super Sharp was developed to meet the needs of the industrial printing market, specifically manufacturers of touch screen displays and solar cells, as well as membrane switches and graphic overlays. This film provides wide exposure latitude with the sharpest edge definition, and boasts exceptional resistance to agressive solvents used during on-press cleaning.

Characteristics

- Red capillary film specially designed for the most demanding industrial printing applications
- Highly solvent resistant
- Enhanced sharpness for maximum image resolution and print definition
- Designed for use in patterning of functional materials and industrial graphics printing
- Can be used with stainless steel and synthetic mesh
- Available in thickness of 15, 20, 25 and 40 microns

Working Instructions

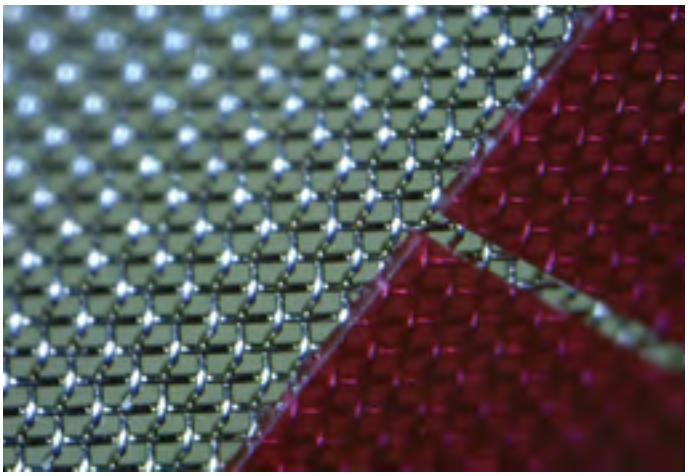
1. Prepare the mesh thoroughly.
   SAATI Direct Prep 2 is recommended
2. Apply the film to the wet mesh and
   remove excess water with a squeegee
3. Dry the screen thoroughly and remove the backing sheet
4. Expose the stencil to a high intensity UV light source.
   Typical 5kw Metal Halide at 100 cm/40" = 40-80 seconds
5. Washout the image with water and dry the screen

Packaging

- Standard roll size: 26" x 500"
- Also available in 41" and 48" rolls
- Standard sheet size: 22" x 26"
- Custom sheet sizes are available upon request
- Sample sizes are available on request

Storage

Unopened DCF Supersharp stored at less than 27°C/80°F will maintain its original properties for one year from the date of production.



Recommendations			
Thickness	Recommended Polyester Mesh	Recommended Stainless Mesh	Exposure W Mh Lamp @1m, 305 T/in YE
15 µm	Polyester Mesh	Steel Mesh	40 sec
20 µm	120-165 T/cm | 305-420 T/in	118-158 T/cm | 300-400 T/in	45 sec
25 µm	100-130 T/cm | 255-330 T/in	99-128 T/cm | 250-325 T/in	55 sec
40 µm	70-120 T/cm | 180-305 T/in	70-118 T/cm | 180-300 T/in	80 sec

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