ULANO®

Capillary Films
Stencil Blockouts & Hardeners

- *Diazo Dual-Cure capillary films*

- *SBQ capillary films*

- *SBQ Dual-Cure capillary films*

- *Stencil blockouts*

- *Stencil hardeners*

ulano®

Capillary Films

Sensitizer	Product Name	Main Application Market	Color	Thickness	Solvent Based Ink	UV Ink	Plastisol Ink	Water-Based Ink	Discharge Ink	Special Applications / Properties / Remarks / Recommended Markets
Diazo Dual-Cure	CDF/ VISION PLUS-18/20	Graphic	BROWN-GREY	18µ (20µm total)	Excellent	Excellent	N/A	N/A	N/A	Excellent handling, humidity resistance, easy application, superb imaging, durability and reclaim. Recommended for: All UV printing applications, 4 Color process, fine line printing, printed circuits, including FPD, LCD, functional glass, nameplates, decals, plastic sheets and containers
	CDF/ VISION PLUS-25	Graphic	VIOLET	25µ (27µm total)	Excellent	Excellent	N/A	N/A	N/A	Excellent handling, humidity resistance, easy application, superb imaging, durability and reclaim. Recommended for: UV printing applications, printed circuits, including sensors and wearable sensors, functional glass, nameplates, PCBs, POP graphics and displace, pressure sensitive decals, plastic sheets and containers
	CDF/ VISION-15	Graphic	BLUE-GREEN	15µm	Excellent	Excellent	N/A	N/A	N/A	Excellent fidelity, excellent solvent resistance Recommended for: All UV printing applications, 4 Color process, fine line printing, ceramic and pressure-sensitive decals, plastic sheets and containers
	CDF/ VISION-18	Graphic	BLUE-GREEN	18µm	Excellent	Excellent	N/A	N/A	N/A	Excellent fidelity, excellent solvent resistance Recommended for: All UV printing applications, 4 Color process, fine line printing, printed circuits, including FPD, LCD, functional glass, nameplates, decals, plastic sheets and containers
	CDF/ VISION-20	Graphic	BLUE-GREEN	20µm	Excellent	Excellent	Excellent	N/A	N/A	Excellent fidelity, excellent solvent resistance Recommended for: All UV printing applications, 4 Color process, fine line printing, printed circuits, including FPD, LCD, functional glass, nameplates, decals, plastic sheets and containers
	CDF/ VISION-25	Graphic	BLUE-GREEN	25µm	Excellent	Excellent	Excellent	N/A	N/A	Excellent fidelity, excellent solvent resistance Recommended for: Half-tones and fine graphic printing, printed circuits, including FPD, LCD, functional glass, touch panels, membrane switches, sensors, PCBs, plastic sheets, nameplates
	CDF/ VISION-30	Graphic	BLUE-GREEN	30µm	Excellent	Excellent	Excellent	N/A	N/A	Excellent fidelity, excellent solvent resistance Recommended for: Half-tones and fine graphic printing, printed circuits, including FPD, LCD, functional glass, touch panels, membrane switches, sensors, PCBs, plastic sheets, nameplates, garments, including functional garments
	CDF/ VISION-35	Universal	BLUE-GREEN	37µm	Excellent	N/A	Excellent	N/A	N/A	Excellent fidelity, excellent solvent resistance Recommended for: Industrial and graphic printing on medium mesh counts, solder masks, printed circuits including PCBs, membrane switches, medicinal patches, printing on plastic sheeting, garment printing , including functional garments
	CDF/ VISION-50	Universal	BLUE-GREEN	52µm	Excellent	N/A	Excellent	N/A	N/A	Excellent fidelity, excellent solvent resistance Recommended for: Legend PCB, peelable masks, solder masks, functional garments, textiles
SBQ Dual-Cure	CDF/ LEXAR-15	Graphic	RED	15µ	Excellent	Excellent	N/A	N/A	N/A	Fast exposure with reasonable latitude / resolution Recommended for : All UV applications, fine line printing, container decorating
	CDF/ LEXAR-20	Graphic	RED	20µ	Excellent	Excellent	N/A	N/A	N/A	Fast exposure with reasonable latitude / resolution Recommended for : All UV applications, fine line printing, container decorating
	CDF/ LEXAR-30	Universal	RED	30µ	Excellent	Excellent	Excellent	N/A	N/A	Fast exposure with reasonable latitude / resolution Recommended for : Graphic printing, plastic sheet printing, garment printing, textile printing
	CDF/ LEXAR-40	Universal	RED	40µ	Excellent	N/A	Excellent	N/A	N/A	Fast exposure Recommended for : Printing on plastics, garment printing, textile printing
	CDF/ LEXAR-50	Universal	RED	50µ	Excellent	N/A	Excellent	N/A	N/A	Fast exposure Recommended for: Fine details garment printing, textile printing
	EZ-30	Textile	PINK	30µ	Not recommended	Not recommended	Excellent	N/A	N/A	Economy priced, fast exposure Recommended for all textile printing
	EZ-50 ORANGE	Textile	ORANGE	50µ	Not recommended	Not recommended	Excellent	With Hardener	With Hardener	Economy priced, fast exposure, with Hardener D works with water based inks below 1000 prints Recommended for: All textile printing, especially good for printing opaque on dark garments
SBQ	CDF/ QT-50	Textile	PINK	50µ	Not recommended	Not recommended	Excellent	N/A	N/A	Fast exposure, Highest EOM of all 50µm films Recommended for textile printing
	CDF/ QT-100	Textile	PINK	100µ	Not recommended	Doming only	Excellent	N/A	N/A	Fast exposure, strong film for abrasion applications Recommended for: HD textiles, specialty printing, UV doming, sand blasting
	CDF/ QT-150	Textile	PINK	150µ	Not recommended	Doming only	Excellent	N/A	N/A	Fast exposure, strong film for abrasion applications Recommended for: HD textiles, specialty printing, UV doming, sand blasting
	CDF/ QT-200	Textile	PINK	200µ	Not recommended	Not recommended	Excellent	N/A	N/A	Fast exposure Recommended for: HD textiles, specialty printing
	CDF/ QT-250	Textile	PINK	250µ	Not recommended	Not recommended	Excellent	N/A	N/A	Fast exposure Recommended for: HD textiles, specialty printing
	CDF/ QT-300	Textile	PINK	300µ	Not recommended	Not recommended	Excellent	N/A	N/A	Fast exposure Recommended for: HD textiles, specialty printing
	CDF/ QT-400	Textile	PINK	400µ	Not recommended	Not recommended	Excellent	N/A	N/A	Fast exposure Recommended for: HD textiles, specialty printing

This chart shows an overview of the most common application fields. It is not a product recommendation and should not cancel the necessity of testing its suitability in customer own trials.

Stencil Blockouts

Product Name	Color	Solids	Viscosity	Resistance
EXTRA HEAVY BLOCKOUT NO.10	GREEN	25%	15,000	Solvent
SCREEN FILLER NO.65	BLUE	23%	4,000	Solvent

Technical Tips:

If using direct screen filler/ blockout,

• Apply bead of Screen Filler onto border area of fully processed and dried stencil on the substrate side of the screen.

• Scrape it evenly into the mesh, using a piece of cardboard or plastic. Apply a second, "reinforcing" coat to the squeegee side of the screen if necessary.

If using direct emulsion as a blockout,

• Apply blockout halfway into the drying cycle with the wide trough on the printing side, without removing the film backing. Do not remove backing until the end of the drying cycle.

• Expose stencil, develop image and then re-expose screen from the squeegee side.

Stencil Hardeners

Product Name	Reclaimable?	Color	Components
HARDENER D	NO	Red	Single
HARDENER WR	Yes	Clear	Single
HARDENER X	With high pressure	Red	Single

Technical Tips:

• **Remove excess water using compressed air or a water vacuum. Apply hardening fluid.**

• **After applying, air-dry naturally before using forced air and/or heat.**

• **For maximum resistance, place air-dried hardened screen into drying cabinet at 105˚ F/ 40˚ C for 2 hours.**