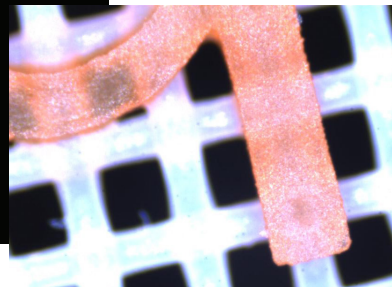


ULANO®

***Direct Emulsions
Stencil Blockouts & Hardeners***



- *Diazo emulsions*
- *Diazo Dual-Cure emulsions*
- *Epic-Cure emulsions*
- *SBQ emulsions*
- *SBQ Dual-Cure emulsions*
- *Stencil blockouts*
- *Stencil hardeners*



ULANO®

Direct Emulsions

Sensitizer	Relative Exposure Speed	Product Name	Main Application Market	Color	Solids	Viscosity (sensitized) cps @ 25°C	Pot Life (sensitized)	Solvent-Based Ink	UV Ink	Plastisol Ink	Water-Based Ink	Discharge Ink	Special Applications - Properties - Remarks
Diazo	0.5X	569	Universal	PURPLE	39%	6,000	4-6 weeks	Excellent	Very Good	Excellent	N/A	N/A	Excellent resistance to solvent based inks, no pressure needed for reclaim
	0.7X	925WR-P / 925WR-P/CL	Textile	VIOLET / CLEAR	41%	7,000	4-6 weeks	N/A	N/A	Excellent	Excellent***	Very Good	Textile emulsion for traditional plastisols, water-base and discharge inks
	1X	FX88	Universal	BLUE	34%	6,000	4-6 weeks	Acceptable	Very Good	Excellent	N/A	N/A	Balanced economical basic diazo emulsion
	1X	FX88-SR	Universal	CLEAR w/ BLUE color additive	30%	6,000	4-6 weeks	Excellent	Very Good	Excellent	N/A	N/A	Excellent resistance to solvent based inks, no pressure needed for reclaim, faster speed
	2X	QT-DISCHARGE	Textile	PINK	41%	4,500	2-4 weeks	N/A	N/A	Excellent	Excellent***	Very Good	Faster exposing diazo sensitized textile emulsion for water-base and discharge inks
Diazo Dual-Cure	0.9X	LX-660	Universal	RED	38%	7,000	4-6 weeks	Very Good	Excellent	Excellent	Very Good	N/A	Dry-to-touch non-sticky surface, excellent even in very high humidity environment, ideal for inkjet positive, excellent durability
	0.8X	LX-660 BLUE	Universal	BLUE	38%	7,000	4-6 weeks	Very Good	Excellent	Excellent	Very Good	N/A	Dry-to-touch non-sticky surface, excellent even in very high humidity environment, ideal for inkjet positive, excellent durability
	1.1X	LX-680	Universal	BLUE	38%	7,500	4-6 weeks	Excellent	Excellent	Excellent	Good	N/A	Excellent durability, superb abrasion resistance, universal emulsion
	1X/1.1X	PROCLAIM / PROCLAIM CL	Graphic	LIGHT BLUE / CLEAR	37%	7,500	4-6 weeks	Excellent	Excellent	Excellent	N/A	N/A	Best value dual-cure, good resolution, extremely easy to reclaim
	0.7X	PROCLAIM HR	Graphic	BLUE-GREEN	37%	7,500	4-6 weeks	Excellent	Excellent	Excellent	N/A	N/A	Highest resolution, extremely easy reclaim
	1X	RLX	Universal	MAGENTA	38%	7,500	4-6 weeks	Excellent	Excellent	Excellent	Good	N/A	Universal, high durability emulsion
Epic-Cure	1.1X	PROCLAIM EC PLUS	Graphic	VIBRANT BLUE	37%	4,500	18 months	Excellent	Excellent	Excellent	N/A	N/A	No sensitizer required, very forgiving to exposure deviations, no tack, very easy reclaim
SBQ	15X	CTS-FAST BLUE	Graphic	BLUE	33%	5,000	12 months	Acceptable	Good	Excellent	N/A	N/A	Fastest SBQ Graphic emulsion in Ulano program / Developed for CTS systems
	8X	ORANGE	Textile	ORANGE	44-46%	7,000	12 months	N/A	N/A	Excellent	Good*	Good*	Current best-seller, superb copying properties with fast exposure speed, supersharp prints
	8X	QT-THIX	Textile	RED	52%	60,000	12 months	N/A	Good	Excellent	N/A	N/A	Very high solids and viscosity, easy stencil build-up. High-density, lenticular printing, UV doming applications
	7X	QTX	Textile	PINK	46%	7,100	12 months	N/A	N/A	Excellent	N/A	N/A	Industry leader for many years, high solids
	8X	QTX BLUE	Textile	BLUE	46%	7,100	12 months	N/A	N/A	Excellent	N/A	N/A	Industry leader for many years, high solids
SBQ Dual-Cure	10X	BLUE	Textile	BLUE	44-46%	8,000	12 months	Good	Good	Excellent	Excellent*	Excellent*	Easy stencil build-up, good cure through, easy reclaim
	8X	PLATINUM	Textile	GRAY	40%	10,000	12 months	Good	Very Good	Excellent	N/A	N/A	No tack, very good resolution with fast exposure speed, excellent exposure latitude, easy reclaim
	12X	PLATINUM VIOLET	Textile	VIOLET	40%	10,000	12 months	Good	Good	Excellent	Good*	Good*	No tack, very good cure through, ultra-fast exposure and very easy reclaim
	8X	QLT	Textile	BLUE	43%	7,200	12 months	Good	Good	Excellent	Excellent*	Excellent*	Very good choice with diazo for excellent durability, long textile runs
	7X	QLT RED	Textile	RED	43%	7,200	12 months	Good	Excellent	Excellent	Excellent*	Excellent*	Very good choice with diazo for excellent durability, long textile runs
	4X	QX-1	Universal	BLUE-GREEN	37%	9,000	18 months	Very Good	Excellent	Excellent	N/A	N/A	Excellent humidity resistance, good universal emulsion
	6X	QX-5 BLUE	Universal	BLUE	42%	5,000	12 months	Very Good	Excellent	Excellent	Good*	Good*	Economical universal emulsion
	3X	QX-5 RED	Textile	RED	42%	5,000	12 months	Good	Excellent	Excellent	Acceptable*	Acceptable*	Economical, excellent resolution textile emulsion
	5X	QX-6	Graphic	LIGHT BLUE	36%	6,500	12 months	Excellent	Excellent	Excellent	N/A	N/A	Economical / high resolving, no tack, good humidity resistance emulsion
	6X	QX-7	Universal	BLUE	38-39%	6,500	18 months	Excellent	Excellent	Excellent	Good*	N/A	Developed for CTS, high quality, superb abrasion resistance (glass decoration), excellent resolution, easy developing and easy reclaim
	7X	QXO	Textile	ORANGE	44%	8,000	12 months	Good	Very Good	Excellent	N/A	N/A	Excellent latitude, very high resolution, superb textile printing details and easy reclaim
11X	TRIFECTA	Textile	VIOLET	43%	6,500	12 months	Very Good	Good	Excellent	Excellent	Excellent**	Extremely fast and very thorough cure, does not need hardener or sensitizer for water-based and discharge inks. Excellent reclaim. For 3X durability, use 3X postexposure	

* With added Diazo sensitizer

** With post exposure

*** When used with 100% water-based ink, but not for solvent-containing water-based inks. Water resistant dual cure emulsions will work better for these inks.

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:

- Apply additional uniform layer on the squeegee side at the start and stop points and at each end of the squeegee and dry at elevated temperature to enhance mechanical resistance.
 - If using emulsion as your blockout, allow for ample drying time, preferably in a heated drying cabinet.
- If using emulsion as your blockout, make sure to fully expose both sides of the screen emulsion is applied.

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:

- After removing excess water using compressed air or a water vacuum, hardening fluid may be applied.
- 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.

