



# Liquid Coating Emulsions

## DIAZO and DUAL-CURE EMULSIONS

AST has several two-part emulsions to choose from. Decades of field testing produced the formulas below, comparing some of the best of what is fully available.

Available sizes @ Quarts, Gallons, 3.5 Gal Pails

FEATURES:	CP-2	UDC-2	MAX-R
COLOR	VIOLET or CLEAR	VIOLET or CLEAR	VIOLET
VISCOSITY/SOLIDS	HIGH/LOW	LOW/MEDIUM	MEDIUM/MEDIUM
EXPOSURE SPEED	SLOW	MEDIUM	MEDIUM
CHEM. RESISTANCE	SOLVENT	MULTIPURPOSE	MULTIPURPOSE
MIXED SHELF LIFE	WEEKS	WEEKS	WEEKS
RELATIVE QUALITY	GOOD	VERY GOOD	VERY GOOD
RELATIVE COST	LOW	MID-RANGE	MID-RANGE

## PURE PHOTOPOLYMER EMULSIONS

We also stock one-part, pre-sensitized photo-emulsions. These premium formulas are some of the best available.

Available sizes @ Quarts, Gallons, 5 Gal Pails

FEATURES:	TXR	BLU	C-Type
COLOR	RED	BLUE	GREEN
VISCOSITY/SOLIDS	MED/MED	MED/HIGH	LOW/HIGH
EXPOSURE SPEED	FAST	FAST	VERY FAST
CHEM. RESISTANCE	PLASTISOL/WB	PLASTISOL/WB	SOLVENT
PREMIXED SHELF LIFE	MONTHS	MONTHS	MONTHS
RELATIVE QUALITY	GOOD	VERY GOOD	BEST
RELATIVE COST	LOW	MID-RANGE	HIGHER

## Handheld Scoop Coater

Preset 45° angle and comfort handle provides easy coating.



### Tech Tip:

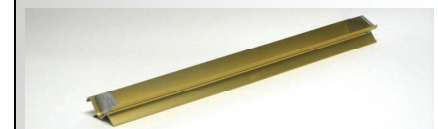
A good basic coating rule:  
 Thick mesh = thick coatings  
 Thin mesh = thin coatings  
 See if you can feel the stencil edge after image washout and drying. Try to build up emulsion during coating in order to produce an image "edge wall".

Always take time to **fully** dry coated emulsion for best exposure and processing results.



### Fine tuning exposure times:

Design a 1" x 8" rectangle with a 50-60dpi halftone-pattern and use the laser/inkjet printer which accounts for your most common type of film positive. The fill should be a graduated tone scale from 0-100%. Dot angle is 30 degrees. Add a 60-70 and 80-90 dpi strip for comparison. Space each tone strip 1/4" apart. Output and expose a test screen. Over exposing will seal up 10-20% high-lights. Under exposure will wash out 80-95% shadow dots. Correct time is a balance of the two.



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