



RAD 5 DEVELOPER AND REPLENISHER CONCENTRATE

FOR RAPID ACCESS DEVELOPING OF FILMS AND PAPERS IN REPLENISHMENT PROCESSORS

RAD 5 Developer is a premium single part developer for processing rapid access films and papers, color separations, pan masking, laser scanner, duplicating films and papers in replenished systems. RAD 5 works at a significantly lower temperatures resulting in shorter warm up time and longer life. Good results will be achieved on phototypesetting films and papers giving excellent density and whiter backgrounds.

RAD 5 Developer can be used to process rapid access products and with emulsion enhanced (*HARD DOT*) products.

The concentrate is formulated so that both the developer and replenisher make over-replenishment impossible.

MIXING INSTRUCTIONS

RAD 5 Developer concentrate should be mixed at a dilution of 1part concentrate to 4 parts water for rapid access film processing; and for emulsion enhanced (*HARD DOT*) products, RAD 5 Developer should be diluted at a rate of 1 part concentrate to 2 parts water.

When processing paper the dilution is 1+7

REPLENISHMENT RATES

Replenishment with a correctly mixed solution of RAD 5 is at a rate of .25 mls. per square inch of material processed.

CATALOG No.

61 3317
61 3326
61 3328

PACKAGING

4X1 gallon
2X2.5 gallon
5 gallon cube



LITHMATIC FIXER & REPLENISHER

DESCRIPTION

LITHMATIC Fixer and Replenisher liquid concentrate is designed for rapid fixing of all types of films and papers. Because of its high capacity, non-corrosive formula and excellent buffering action against developer carry over; it surpasses the exacting requirements of automatic processing and *electrolytic silver recovery systems*. LITHMATIC Fixer & Replenisher's precipitate free formula minimizes chemical build up. Hardener is packaged separately.

REPLENISHER RATES AND SPECIFICATIONS

The replenishment rate is based on the type of film selected and on an average amount of silver halide being fixed from the film. The recommended rate is 0.30 to 0.50 mls. of fixer replenisher per square inch of exposed film. These rates are starting points only.

SUGGESTED OPERATING PARAMETERS

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|----|--------------|---|
| 1. | Dilution | For films 1+5
For paper 1+9 |
| 2. | Fixing Times | Films- typical clearing time is less than 20 seconds. Fix for twice the clearing time. |
| 3. | Temperature | For tray work use at 65°F to 80°F (18°C to 28°C). In processors may be used up to 105°F (42°C). |

HARDENER USAGE

Most rapid access films do not require the use of added hardener. The emulsions are usually pre hardened enough to withstand handling or processing. If hardener is needed, use enough hardener to achieve the desired results. A suggested ratio is two to four ounces of hardener per working strength gallon of fixer.