

RA-4 Print Chemicals: LORR systems

PRIMAPRINT SP LORR DEVELOPER REPLENISHER is a clear, homogeneous, single part P1 low replenishment developer concentrate. With a replenishment rate of 80 mls/m² at 38 °C this product can be used as a drop-in replacement for Kodak Ektacolor PRIME LORR* Developer Replenisher at the same time, temperature and replenishment rate.

The advantages of single part technology are clear - it's easy to use - just add water, and, with fewer parts to mix together there is less chance of mixing errors, as well as saving time in the mixing process and potentially reducing packaging waste.



P1 Primaprint SP LORR Developer Replenisher

- Single Part (SP) homogeneous, clear developer which is easy to use - just mix with water. No parts to mix together-reduces chances of mixing errors and mixing time with less packaging waste
- Replenishment rate of 80 mls/m² at 38 °C
- Easy drop-in replacement on top of Kodak Ektacolor PRIME* LORR Developer Replenisher at the same times, temperatures and replenishment rates
- Clean formulation significantly reduces 3 types of developer dirt:
 1. Developer Creep (oxidized developer agent on crossover rollers/racks)
 2. Tar-like suspended oxidized compounds in the developer solution that stick to rollers and racks
 3. Cement-like calcified salts, caused by local hard water and paper hardening agent, which fall to the bottom of the tank
- FRESH AIR INCLUDED - no fishy/amine smell in most instances
- Good shelf life

P2 NatureCare SNR Bleach-Fix Replenisher

- Single Part (SP) homogeneous, bleach-fix which is easy to use - just mix with water. No parts to mix together-reduces chances of mixing errors and mixing time with less packaging waste
- Low replenishment rate of 54 mls/m² works well in med-high volume / med-high production photolabs
- Good shelf life - minimum 1 year from the date of manufacture in unopened container

P3 Mydoprint Rinse

- Single part rinse works well with all RA-4 chemistry systems

PROCESS SPECIFICATIONS

Step	Processing Stage	Processing Time (Sec)	Recommended Temp. (°C)	Replenishment Rate	Preparation of Working Solution (1L)
P1	Primaprint SP LORR Developer	45	38±0.3°	80 mls/sq m*	1) 500mls Developer replenisher 2) 455mls water 3) 45mls Starter
P2	NatureCare SNR Bleach-Fix	45+	35.0±3.0°	54± mls/m2*	500 mls Replenisher 500 mls Water
P3	Mydoprint Rinse	90 - 210	35.0±3.0°C	250**± mls/sq m*	Same as Replenisher

CHEMISTRY SPECIFICATIONS

	P1 Primaprint SP LORR Developer Replenisher		P2 NatureCare SNR Bleach-Fix Replenisher	
	Seasoned Tank	Replenisher Tank	Seasoned Tank	Replenisher Tank
pH	10.05±0.05	11.15±0.05	7.30±0.10	5.88±0.10
Sp Gr	1.040±0.005	1.035±0.005	1.097±0.010	1.124±0.010

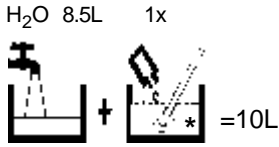
Preparation:

PRIMAPRINT SP LORR

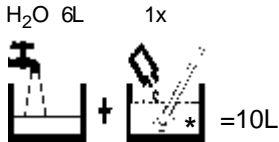
Replenisher Solutions

*Mix well

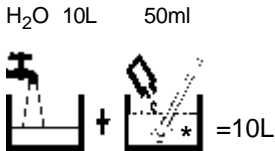
P1 - Primaprint SP LORR Developer Replenisher



P2 - NatureCare SNR Bleach-Fix Replenisher



P3 - Mydoprint Plus Rinse

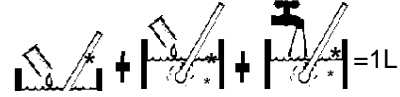


RA-4 Print Chemicals: LORR systems

Working Solutions: Developer & Bleach-Fix

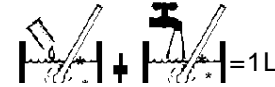
P2 - Primaprint SP LORR Developer

Replenisher	Mydoprint RA Dev Starter	H ₂ O
500mls	45mls	455mls



P2 - NatureCare SNR Bleach-Fix

Replenisher	H ₂ O
500mls	500mls



For P3, Mydoprint Rinse, preparation of the working solution is same as for the Replenisher

STORAGE OF CHEMICALS:

- Concentrates - All of the processing system concentrates have a normal storage life of at least 12 months, when held in unopened containers under steady temperature conditions in the range 13°-18°C. However, storage temperatures below 5°C should be avoided as some crystallization may occur.
- Working Solutions and Replenishers - Machine tank solutions should not be allowed to stand unused for more than one week, or the activity will be reduced by aerial oxidation. No more than one week's supply of any of the replenisher solutions should be made up at a time. Replenisher solutions should be kept covered with lids to reduce evaporation, oxidation and contamination.
- Safe Use of Processing Chemicals - All chemicals should be kept out of reach of children. Refer to labels on the box and to the Material Safety Data Sheet for precautionary information. Protective clothing, including gloves and face/eye protection should always be worn when handling chemicals. Contact our Technical Services Department or your local representative to determine which combination of chemicals is best suited for your use.



The Profile Quality Control System is comprised of two key elements - Profile Control Strips and Profile Quality Control Software. Profile Control Strips are easy to work with and have been optimized to give the best results with Champion Photochemistry & Russell Photochemistry. Profile Quality Control Software has been manufactured under strict quality control procedures.

Champion Photochemistry and Russell Photochemistry are the only independent chemical manufacturers worldwide to make control strips and to market a Q.C. software.

The Profile Quality Control System offers the following features & benefits:

- Extremely user-friendly
- Outstanding diagnostic components
- Full colour clothesline plot reports
- Full data on history, current status and diagnosis
- Early detection of potential process problems
- Recommendations for corrective action plans
- Full technical support available
- Updates to software sent automatically to current registered users
- New email feature allows labs to email files to your central site for timely evaluation

[†] Kodak Ektacolor Prime is a registered trademark of the Eastman Kodak Company; Trebla Triphase is a registered trademark of CPAC, Inc.

SUPPLIES

	To make	Product Code
P1 Primaprint SP LORR Dev Replenisher	6x10L	140181
P2 NatureCare SNR Bleach-Fix Replenisher	2x10L	140561
P2 NatureCare SNR Bleach-Fix Replenisher	50L	140565
P3 Mydoprint Rinse	2x10x10L	141012
P3 Mydoprint Rinse	6x100L	141013
P1-S Mydoprint RA Dev Starter	1L	140411
Profile RA-4 Paper Control Strips	20 strips	141505

For a complete list of the C-41 chemicals which complement this system of RA-4 chemistry, please refer to TDS # F1, F3 and F5.

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Manufactured By

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