

RA-4 Print Chemicals: Standard Systems

PRIMAPRINT SP VR DEVELOPER REPLENISHER is a clear, homogeneous, single part P1 developer concentrate designed for Standard systems. With a replenishment rate of 108mls/m² at 38°C or 160mls/m² at 35°C. This product can be used as a drop-in replacement for not only Kodak Ektacolor PRIME*** Developer Replenisher but many other similar rep. rate P1 developers at the same times, temperatures and replenishment rates.

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

P1 Primaprint SP VR 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 108mls/m² at 38°C or 160mls/m² at 35°C.
- Special chelates allows SP to stay in solution even in hard water areas. No hard-to-clean deposits in working/replenisher tanks.
- Variable rate (VR) replenisher operates in a wide variety of processors at various temperatures.
- 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.
- Easy drop-in replacement on top of existing chemistry.
- Extended shelf life - minimum 1 year from the date of manufacture in unopened container.

P2 Mydoprint SPV Bleach-Fix Replenisher/Mydoprint Professional Bleach Fix Replenisher

- Single part (SP) homogeneous, clear 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.
- Variable replenishment rate universal bleach-fix can be adjusted to a lab's specific workload conditions and eliminates the need to carry several products.
- Single Part formulation is considered non-hazardous for shipping purposes.

P3 Mydoprint Rinse

- Single Part rinse works well with most RA-4 chemistry.

PROCESS SPECIFICATION

| Step | Processing Stage | Processing time (Sec) | *recommended starting point | |
|------|--|-----------------------|-----------------------------|---------------------------|
| | | | Temperature | Replenishment Rate |
| P1 | Primaprint SP VR Developer Replenisher | 46 ± 2 | 35.0±0.3°C | 160±mls/m ² * |
| | (Fresh Air Included) | 46 ± 2 | 38.0±0.3°C | 108±mls/m ² * |
| P2 | Mydoprint SPV Bleach-Fix & Replenisher | 74 ± 30 | 36.5 ± 3.0°C | 108± mls/m ² * |
| | | | 38.0 ± 3.0°C | 210 ±mls/m ² * |
| P3 | Mydoprint Rinse | 148 ± 62 | 35.0 ± 3.0°C | 250**±mls/m ² |
| Or: | Wash Water | 148 ± 62 | 35.0 ± 3.0°C | 10 ± L/m ² * |

CHEMISTRY SPECIFICATIONS

STD-Standard Rep Rate (210mls/m²)
MR - Medium Rep Rate (108mls/m²)
NA - Not applicable

| | P1 Primaprint SP VR Developer Replenisher | | P2 Mydoprint SPV Bleach-Fix /Replenisher | | Mydoprint Professional Bleach Fix Replenisher | |
|----------|---|------------------|--|----------------------------|---|-----------------------------|
| | Seasoned Tank | Replenisher Tank | Seasoned Tank | | Replenisher Tank | |
| PH | 35°C | 35°C | STD (210mls/m ²) | MR(108mls/m ²) | STD (210mls/m ²) | MR (108mls/m ²) |
| | 10.1 ± 0.10 | 12.30 ± 0.10 | 6.60 ± 0.10 | -- | 5.97 ± 0.10 | 5.93 ± 0.10 |
| | 38°C | 38°C | -- | 7.00 ± 0.10 | 5.97 ± 0.10 | 5.93 ± 0.10 |
| Sp Gr | 35°C | 35°C | 1.076 ± 0.010 | -- | 1.065 ± 0.010 | 1.086 ± 0.010 |
| | 1.02 ± 0.010 | 1.013 ± 0.010 | -- | 1.090 ± 0.010 | 1.065 ± 0.010 | 1.086 ± 0.010 |
| | 38°C | 38°C | -- | 1.090 ± 0.010 | 1.065 ± 0.010 | 1.086 ± 0.010 |
| | 1.02 ± 0.010 | 1.013 ± 0.010 | | | | |

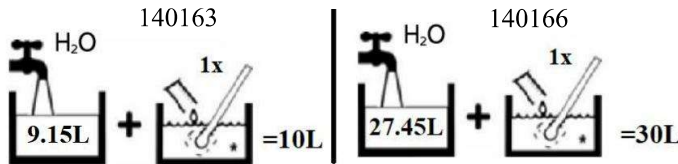
Preparation :

PRIMAPRINT SP

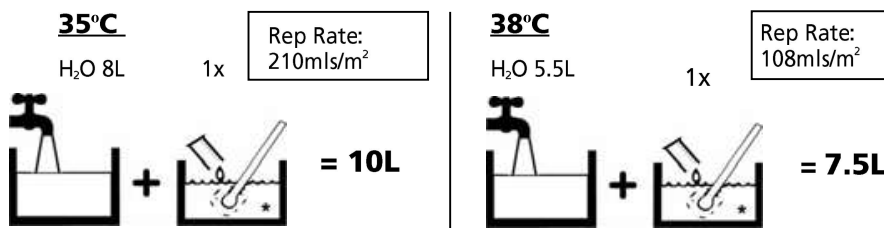
Replenisher Solutions

*Mix well

P1 – Primaprint SP VR Developer Replenisher

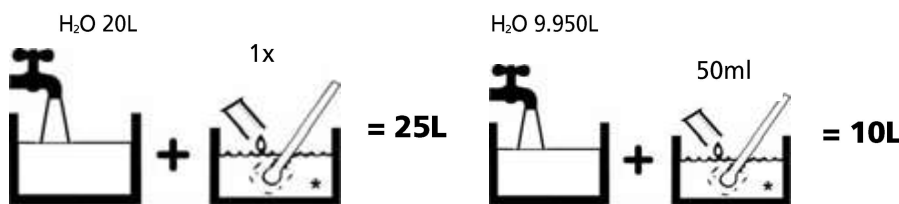


P2 – Mydoprint SPV Bleach-Fix & Replenisher



P2 – Mydoprint Professional Bleach-Fix Replenisher

P3 – Mydoprint Rinse



Working Solutions: Developer

P1 – Primaprint SP VR Developer

35°C

| | | |
|-------------------------|----------------------|------------------|
| Replenisher Concentrate | RA Print Dev Starter | H ₂ O |
| 80mls | 35mls | 885mls |



38°C

| | | |
|-------------------------|----------------------|------------------|
| Replenisher Concentrate | RA Print Dev Starter | H ₂ O |
| 80mls | 40mls | 880mls |



For P2, Mydoprint SPV Bleach Fix & Replenisher, P2 Mydoprint Professional Bleach Fix Replenisher and P3, Mydoprint Rinse, preparation of the working solution is same as the Replenisher

STORAGE OF CHEMICALS:

▪ **Concentrates**

Processing concentrates have a storage life of upto 24 months, when held in unopened containers under steady temperature conditions 13°-25°C (56°F - 77 °F). Higher temperatures may result in accelerated chemical reactions and cause deterioration of the concentrate. Temperatures lower than 5°C (41.5°F) should be avoided as some crystallization may occur in concentrates.

▪ **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 Service Plus Department or your local representative to determine which combination of chemicals is best suited for you.

*** Kodak Ektacolor Prime is a registered trademark of the Eastman Kodak Company

SUPPLIES

| | | To make | Product Code |
|------|---|------------|--------------|
| P1 | Primaprint SP VR Developer Replenisher | 6x10L | 140163 |
| P1 | Primaprint SP VR Developer Replenisher | 2x30L | 140166 |
| P2 | Mydoprint SPV Bleach Fix & Replensihier | 4x10L/7.5L | 140558 |
| P2 | Mydoprint Professional Bleach Fix Replenisher | 2x25L | 140562 |
| P3 | Mydoprint Rinse | 2x200L | 141006 |
| P1-S | Universal Paper Starter | Variable | 140411 |

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

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