



# Print Chemicals: For Professional Labs

## Professional Labs

The **Mydoprint Professional RA4** paper processing chemicals makes an excellent choice when processing RA4 colour print materials. It is an extremely stable chemical system which works well in Professional labs - including labs with roller transport machines, where volume may be intermittent or where workloads vary considerably. This group of chemicals is highly compatible with similar chemical systems, so switch-over is easy to do.



### P1 Mydoprint RA PROFESSIONAL Developer Replenisher:

- Replenishment rate of 210mls/m<sup>2</sup> at 35°C
- FRESH AIR INCLUDED
- Increased stability for low/intermittent workload conditions
- Ideal for roller transport machines
- Super clean formulation 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, from the local hard water and paper which falls to the bottom of the tank

### P1 Mydoprint VR Developer Replenisher:

- Variable rate replenishment developer
- Recommended standard replenishment rate of 160mls/m<sup>2</sup> at 35°C
- Lower replenishment rate of 100mls/m<sup>2</sup> at 38°C
- Super clean formulation 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, from the local hard water and paper which falls to the bottom of the tank
- FRESH AIR INCLUDED - no fishy amine smell

### P2 Mydoprint AIR RA Bleach Fix Replenisher:

- ODOUR FREE - contains no acetic acid (no vinegar smell)
- Very tolerant to low throughput/low turnover conditions in either small or large format machines
- Replenishment rate of 215mls/m<sup>2</sup> at 35°C
- Highly stable
- Bright base whites
- Compatible with similar chemical systems

### P3 Mydoprint Plus Rinse:

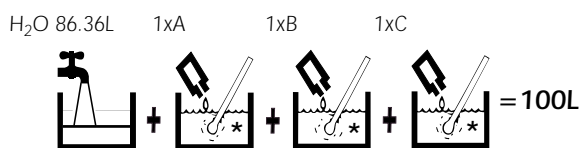
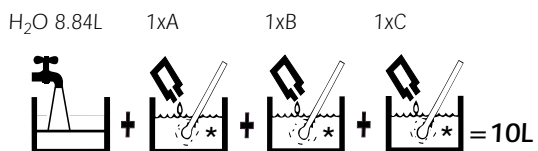
- Works well with most RA-4 chemistry systems

P1	Mydoprint RA Professional Dev Replenisher	2x20L	140137
P1	Mydoprint RA Professional Dev Replenisher	100L	140138
P1	Mydoprint VR Dev Replenisher	100L	140134
P2	Mydoprint AIR RA Bleach-Fix Repl.	2x10L	140557
P2	Mydoprint AIR RA Bleach-Fix Repl.	40L	140553
P3	Mydoprint Rinse	2x100L	141010
P1-S	Mydoprint RA Dev. Starter		140411
	Profile RA-4 Paper Control Strips	20	141505

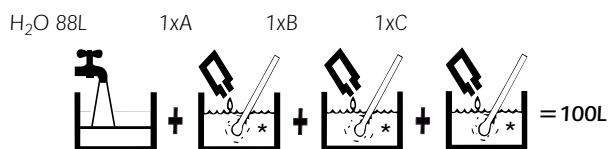
\* Mix well

## Replenisher Solutions

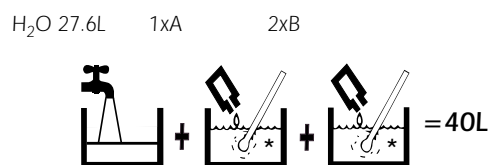
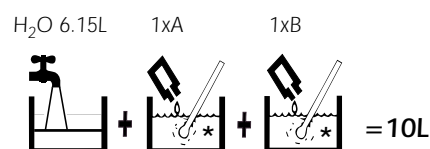
### P1 - Mydoprint RA PROFESSIONAL Developer Replenisher



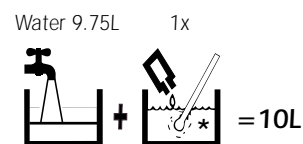
### P1 - Mydoprint VR Developer Replenisher



### P2 - Mydoprint AIR RA Bleach-Fix Replenisher



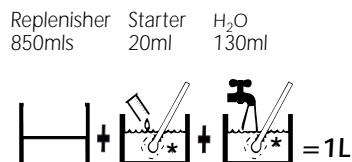
### P3 - Mydoprint Rinse



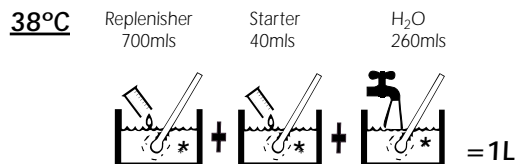
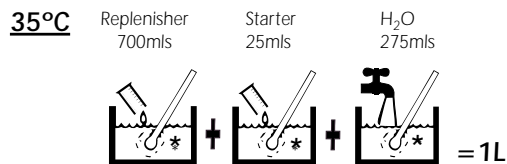
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For P2, Mydoprint RA Bleach-Fix Replenisher and P3, Mydoprint RA Rinse, preparation of the Tank solution is same as the Replenisher  
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## Tank Solutions

### P1 - Mydoprint RA PROFESSIONAL Developer Replenisher



### P1 - Mydoprint VR Developer Replenisher



## PROCESS SPECIFICATIONS

\*recommended starting point

Step	Processing Stage	Processing Time (Sec)		Temperature (°C)	Replenishment Rate*	
		Paper Materials	Display Materials		Paper Material	Display Materials
P1	Mydoprint RA PROFESSIONAL Developer Repl.	45	110	35.0±0.3°	210 mls/m <sup>2</sup>	495 mls/m <sup>2</sup>
P1	Mydoprint VR Developer Replenisher	45	110	35.0±0.3°	160 mls/m <sup>2</sup>	377 mls/m <sup>2</sup>
				38.0±0.3°	108 mls/m <sup>2</sup>	255 mls/m <sup>2</sup>
P2	Mydoprint AIR RA Bleach-Fix Replenisher	45+	110	35.0±2.0°	215 ml/sq m	215 ml/sq m

Then

P3	Mydoprint Rinse	90	220	35.0±3.0°	323 ml./sq m	323 ml./sq m
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or

	Wash Water	90	220	35.0±3.0°	2-11kml./sq m	2-11kml/sq m
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## REPLENISHMENT RATE

The Mydoprint RA PROFESSIONAL system can be employed successfully under low workload conditions by simple adjustment of the Developer and Bleach Fix replenishment rates.

Turnover of developer tank each working week	Adjusted developer replenishment rates	
	Paper Materials	Display Materials
10-25%	270 ml/sq m	620 ml/sq m
Less than 10%	486ml/sq m	860 ml/sq m

Paper Width (rolls)	P1 Mydoprint RA PROFESSIONAL Developer Replenisher		P1 Mydoprint VR Developer Replenisher		P2 Mydoprint AIR RA Bleach Fix Replenisher	P3 Mydoprint RA Rinse
mls/linear meter	Normal	10-25%	@35°C	@38°C		
10.2 cm	22	27	16	11	22	33
12.7 cm	27	34	21	14	27	41
15.2 cm	32	41	27	17	32	49

(mls/sheet)	P1 Mydoprint RA Professional Dev Repl				P1 Mydoprint VR Developer Replenisher			
	Paper Materials		Display Materials		Paper Materials		Display Materials	
	Normal	10-25%	Normal	10-25%	Normal	10-25%	Normal	10-25%
17.8 cm	5	6	11	14	4	5	8	11
20.3 x 25.4 cm	11	14	25	32	8	11	19	24
27.9 x 35.6 cm	21	27	49	61	16	20	37	46
40.6 x 50.8 cm	44	56	102	128	33	42	77	96
50.8 x 61.0 cm	67	84	153	192	50	63	115	144
76.2 x 101.6 cm	166	209	383	480	125	157	287	360

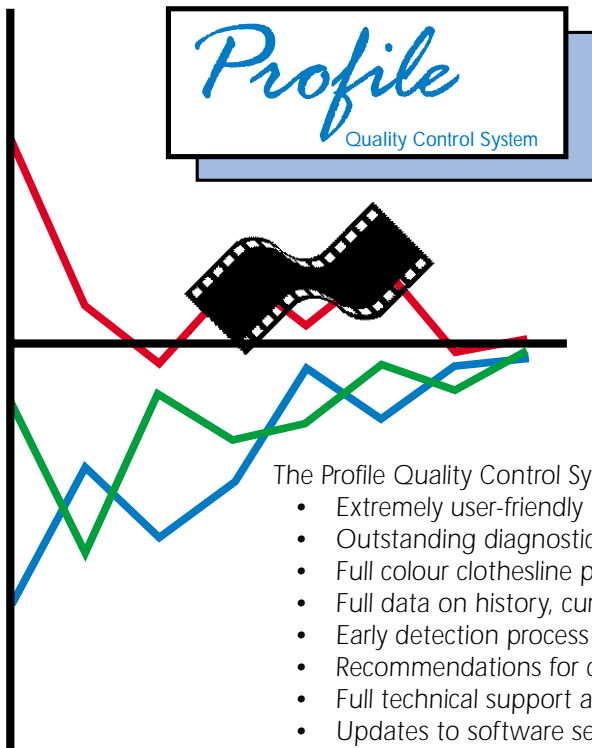
## CHEMISTRY SPECIFICATIONS

@ 20 °C	P1 Myroprint RA PROFESSIONAL		P1 Myroprint VR		P2 Mydoprint AIR RA	
	Developer	Replenisher Tank	Developer	Replenisher Tank	Bleach-Fix	Replenisher Tank
pH	10.06 ±0.10	10.36 ±0.05	10.06 ±0.10	10.52 ±0.05	6.4 ±0.2	5.9 ±0.2
Sp Gr	1.026	1.026	1.026	1.026	1.067	1.074



The new Profile Quality Control (updated in 2000) system is comprised of two key elements - Profile Control Strips and Profile Quality Control Software. Our new Profile Control Strips are easy to work with and have been optimized to give the best results with Champion chemistry. Our new Profile Quality Control Software has been manufactured under strict quality control procedures and is Y2K compliant.

Champion Photochemistry and L.B. Russell Chemicals are the only independent chemical manufacturers worldwide to make control strips and to market a QC 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 process
- 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

**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 13°-18°C. However, storage temperature 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 you.

**WARRANTY:** Seller, Champion Photochemistry International Limited, expressly disclaims any and all warranties, express or implied, including any warranties of merchantability or fitness. Seller's sole obligation for defect is to replace the defective product. In no event shall seller have any liability for incidental or consequential damages.

For a complete list of the C-41 chemicals which complement this system of chemistry, please refer to TDS # F-3.

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