



PRINT REPLACEMENT CARTRIDGE

NatureCare FRC and Mydoprint FRC PRINT REPLACEMENT CARTRIDGES

The Champion cartridge system contains Single Part Print Developer Replenisher and a new high stability two Part Bleach-Fix Replenisher in an easy-to-use cartridge. All you have to do is invert the cartridge and insert it into the chemical cartridge delivery system on any Fuji Frontier print minilab. As with other Champion Photochemistry single part products, FRC Print Replacement Cartridge utilises clear, clean, homogeneous, odorless Single Part RA-4 chemistry solutions.

- Easy-to-use Drop-in Replacement for Fuji CP48/CP49 Cartridges
- Reduced machine maintenance
- Less reprints
- Less downtime
- Can be used with all manufacturers' emulsions
- Released from Fuji shackles – you can decide

P1 NatureCare FRC & MYDOPRINT FRC Print Developer Replenisher

- Replenishment rate of 45 mls/m² at 38.5°C
- Single Part (SP) homogeneous, clear developer replenisher which is easy to use.
- 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.
- Easy drop-in replacement on top of existing chemistry.
- FRC PRINT Developer Replenisher is a drop-in replacement for Fuji CP48/CP49 processing chemistry at the same times, temperatures and replenishment rates.
- Extended shelf life - minimum 1 year from the date of manufacture in unopened container.

P2 NatureCare FRC & MYDOPRINT FRC Bleach-Fix Replenisher

- Replenishment rate of 35 mls/m² at 38°C.
- High stability Two Part Bleach-Fix.
- Clean working.
- Easy drop in replacement on top of existing chemistry.

P3 NatureCare FRC Rinse Tablets

- Self-Dissolving, easy to use.

PROCESS SPECIFICATIONS

**recommended starting point

***depends upon on # of wash tanks used

Machine	Step	Processing Stage	Processing Time (Sec)	Recommended Temp.	Replenishment Rate	Preparation of Working Solution (1L)
Frontier 340 (CP 48)	P1	FRC Print Developer Replenisher	25	45°C	45± mls/m ² ***	1) 50mls Starter 2) 872mls Water 3) 78mls Developer Concentrate
	P2	FRC Print Bleach-Fix Replenisher	25	40°C	35± mls/m ² ***	1) 654mls Water 2) 173mls Part A Bleach-Fix Conc 3) 173mls Part B Bleach-Fix Conc
	P3	NatureCare Rinse Tablet	25	40°C	215***± mls/m ² ***	One Tablet in 5L Water
Frontier 350 (CP 48)	P1	FRC Print Developer Replenisher	45	38.5°C	45± mls/m ² ***	1) 50mls Starter 2) 872mls Water 3) 78mls Developer Concentrate
	P2	FRC Print Bleach-Fix Replenisher	45	38°C	35± mls/m ² ***	1) 654mls Water 2) 173mls Part A Bleach-Fix Conc 3) 173mls Part B Bleach-Fix Conc
	P3	NatureCare Rinse Tablet	90	38°C	175***± mls/m ² ***	One Tablet in 5L Water
Frontier 570 (CP 49)	P1	FRC Print Developer Replenisher	19	43°C	45± mls/m ² ***	1) 65mls Starter 2) 857mls Water 3) 78mls Developer Concentrate
	P2	FRC Print Bleach-Fix Replenisher	19	43°C	35± mls/m ² ***	1) 654mls Water 2) 173mls Part A Bleach-Fix Conc 3) 173mls Part B Bleach-Fix Conc
	P3	NatureCare Rinse Tablet	19	45°C	175***± mls/m ² ***	One Tablet in 5L Water

CHEMISTRY SPECIFICATIONS

	P1 FRC Print Developer Replenisher		P2 FRC Bleach-Fix Replenisher	
	Seasoned Tank	Replenisher Tank	Seasoned Tank	Replenisher Tank
pH	10.30 +/- 0.10	12.30 +/- 0.10	7.40 +/- 0.25	5.80 +/- 0.10
SD (21.1°C)	1.057 +/- 0.010	1.035 +/- 0.010	1.115 +/- 0.010	1.126 +/- 0.010

Working Solutions: Developer & Bleach-Fix

P1 - FRC Print Developer

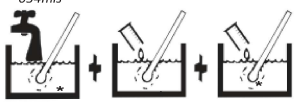
	H ₂ O	Paper Starter	FRC Print Dev Concentrate	
CP 48:	872mls	50 mls	78mls	
CP 49:	857mls	65mls	78mls	



= 1L

P2 – FRC Print Bleach- Fix

	H ₂ O	Bleach-Fix Part A Concentrate	Bleach- Fix Part B Concentrate	
	654mls	173mls	173mls	



= 1L

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.

Working Solutions: Rinse

P3 – NatureCare FRC Rinse Tablets

	H ₂ O		
	5.0L	1 Tablet	= 5L



For P3, NatureCare FRC Rinse Tablets, preparation of the working solution is the same as the Replenisher.

SUPPLIES

	To make / To process	Product Code
P1/P2 NatureCare FRC Print Replacement Cartridge	2x110m ²	140183
P3 NatureCare FRC Rinse Tablets	100x5L	140187
P1-S Universal Paper Starter	Variable	140411

WARRANTY: Seller, Champion Photochemistry 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.

Manufactured By:

CHAMPION PHOTOCHEMISTRY

Lot 28-B Mukim Batu Industrial Area, 6½ Miles Jalan Kepong 52000 Kuala Lumpur, Malaysia
Tel: (603) 6257-2600 Fax: (603) 6257-2622
Website: www.championdigitalinks.com/products/photochemistry-product-support/465