

## PRODUCT INFORMATION

### RA-4 PAPER CARTRIDGES TYPE 48-49 Premium Edition

RA-4 PAPER CARTRIDGES TYPE 48-49 Premium Edition enable easy, quick and safe refilling of chemicals in Frontier Minilabs.

Calbe Paper Cartridges Type 48-49 Premium Edition can be used universally in all Frontier machines – in machines from older series with standard process CP-48 SII/ CP-48HVII as well as in Frontier machines from newer series designed for fast processes CP-49E / CP-49HV / CP-49LR.

#### PRODUCT

**RA-4 Paper Cartridge Type 48-49 Premium Edition**

**REF 12925**

Box with 2 Cartridges for 2 x 111 m<sup>2</sup> Colour Paper

#### CARTRIDGE CONTENT

P1R	Colour Developer	1.3 L concentrate	} for 5.0 L replenisher
P2R-A	Bleach Fix Part A	1.3 L concentrate	
P2R-B	Bleach Fix Part B	1.3 L concentrate	} for 3.9 L replenisher

\*Super Rinse is a separate article: FSC-100 tablets. REF 12712

#### REPLENISHMENT RATES

P1R Colour Developer	45 ml/m <sup>2</sup>
P2R Bleach Fix	35 ml/m <sup>2</sup>
PSR Super Rinse*	150 ml/m <sup>2</sup> for F-350, F-355, F-370, F-375
	175 ml/m <sup>2</sup> for F-330
	242 ml/m <sup>2</sup> for F-390
	215 ml/m <sup>2</sup> for any other Frontier machine types

\* Note for machines from the LP/LPS 7X00 series:

For Bleach Fix P2R the replenishment rate must be set separately to 17.5 ml/m<sup>2</sup> for P2R-A and 17.5 ml/m<sup>2</sup> for P2R-B. This results in a total replenishment rate of 35 ml/m<sup>2</sup>.

#### CONVERSION FROM CP-48SII, CP-48HVII, CP-49E, CP-49HV

Any temperatures adjusted can be adopted unchanged and the same applies to the replenishment rates P1R, P2R and PSR.

#### CONVERSION FROM CP-49LR

Any temperatures adjusted can be adopted unchanged.

The replenishment rates must be changed and set to the following values after the initial docking of a Calbe Paper Cartridge Type 48-49 Premium Edition:

P1R: 45 ml/m<sup>2</sup>

P2R: 35 ml/m<sup>2</sup> (see „Replenishment Rates“ for additional information on LP/LPS 7X00 series)

PSR: remains unchanged

## WORKING SOLUTION

Calbe Start-Up Kits RA-4 enable a fast, safe and convenient preparation of working solution for Colour Developer and Beach Fix.

**Start-Up Kit CD (P1)** for 2 x 4.5 L REF 12560

**Start-Up Kit BX (P2)** for 2 x 4.5 L REF 12561

For the mixing of Super Rinse, 1 tablet of FSC-100 is dissolved in 5 litres of demineralised water.

## OCCUPATIONAL SAFETY

Handling of photographic chemicals is safe, if used properly and protective measures are followed. Hazard and precautionary information can be found on the label (H and P phrases, hazard symbol) and in the safety data sheet. Personal protective equipment should include safety goggles or face shield, protective gloves and a lab coat or apron.

## STORAGE

RA-4 Paper Cartridges Type 48-49 Premium Edition in original packs should be stored dry, frost-proof and out of the reach of children. The maximum temperature range is between 5°C and 25°C. Crystallisation of individual ingredients may occur at low temperatures. Avoid direct heat sources. Storage temperatures between 10°C and 20°C are ideal.

## SHELF LIFE

Concentrates from RA-4 Paper Cartridges Type 48-49 Premium Edition in original packaging with unopened bottles have a shelf life of approx. 2 years.

## DISPOSAL

Photographic chemicals - concentrates or used baths - must not be discharged into the public sewerage system. These chemicals must be discarded by commercial waste treatment companies, who properly treat and dispose of in accordance with legal regulations. Further information can be found in the safety data sheet.