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**PRO CHEM – TETENAL  
PHOTO CHEMISTRY.**

# Tetenal Professional Chemicals

Tetenal chemicals offer the highest possible processing quality, user-friendliness and cost-effectiveness. They allow an easy and furthermore safe handling of chemicals.

To meet the particular requirements of various user groups, special product lines have been developed:

<b>monoline</b>	1-part chemicals – easy and convenient, ideal for minilabs
<b>compactline</b>	Chemistry in cartridges – unbeatable safe, for Frontier, d-labs, Konica Minolta, ecojet
<b>professionalline</b>	multi-part chemicals – to meet the highest expectations of professional labs.

## compactline

### The cartridge system

compactline cartridges are designed to match the operating procedures and handling of i.e. Frontier and d-lab minilabs.

In comparison to standard minilab chemicals, compactline cartridges offer a series of benefits in terms of convenience and efficiency.

### Advantages:

compactline cartridges are designed to be docked on and replaced in a few simple steps – even by untrained staff. Their ultra-compact design reduces storage requirements and with it logistical costs in the company. All compactline components are well matched with the relevant minilab in terms of their formulation and function that efficiency is maximised.

### compactline Cartridges Type 48-49

Replenisher kit with 2 cartridges for 2 x 111 m<sup>2</sup>

Art. No. 103013

Larger pro labs are often equipped with Frontier machines of various generations. There cartridges of the types 48 and 49 are used that are only foreseen for the respective machine.

In contrast, the new Tetenal cartridges Type 48-49 HV are universally suited for all Frontier minilabs.

**Benefits: High efficiency, simplified order processing, lower logistical effort.**



d-lab.1/d-lab.2

**RA-4 Paper Cartridges Type 110**

Replenisher kit with two cartridges for 2 x 110 m<sup>2</sup>

Art. No. 103050

d-lab.1/fp.210

**Film Cartridge F1 for d-lab.1/fp.210**

Kit with 4 Cartridges for 4 x 400 films

Art. No. 5G9Y6

**Film Cartridge F2 for d-lab.1**

Kit with 2 Cartridges for 2 x 200 films

Art. No. 5KW6V

**Film Cartridge F2 for fp.210**

Kit with 2 Cartridges for 2 x 200 films

Art. No. 5G9Z8



Frontier 330/350/355/370/375/390

**RA-4 Paper Cartridges Type 48**

Replenisher kit with 2 cartridges: for 2 x 111 m<sup>2</sup>

Art. No. 103012

Frontier 340/500/550/570/590/LP 7000 series

**RA-4 Paper Cartridges Type 49**

Replenisher kit with 2 cartridges: for 2 x 111 m<sup>2</sup>

Art. No. 103014



Konica Minolta R1 / R2

**ecojet P-Compact Type 02**

For Noritsu und Konica Minolta ecojet Minilabs

Art. No. 100441



Compactline cartridges offer a simple and comfortable refilling of photo chemicals.

## Less is more

Conventional photo chemicals usually consist of several parts which have to be mixed with water in a specified sequence. Getting the parts in the wrong order, using the same part twice or too fast, these are typical mistakes which even experienced staff can make time and again.

The idea of combining several parts in one concentrate has been effectively implemented in TETENAL monoline which to all intents and purposes eliminates the possibility of mix-ups and mistakes during the preparation process.

## Advantages:

Using monoline is not only safe, it is also extremely simple: Add monoline to the water, stir and the replenisher is ready.

Due to the 1-part formula, the volume of waste regarding plastic bottles and cardboard packaging is reduced by 50%.

## monoline C-41

### C 41 Colour Developer Replenisher CD-R SP45

Innovative Long Life formula, designed to meet the special demands of low workload conditions, ideal for Professional Labs and Minilabs.

Application of SP 45 is very simple and safe – thanks to the ready-to-use 1-part formula mixing errors are ruled out by 100%. The bottles are equipped with a strap-handle, thus very convenient to use and most important: to pour without any splashes.

SP 45 is a perfect start-up product for mixing fresh colour developer working solution – applicable in any processor type, including Konica Minolta ecojet machines.

Universal new fixer concentrate for colour processes, designed for C-41 and E-6. Depending on the individual process the concentrate is diluted in a different ratio and applied without any further change of process parameters. Unicolor Superfix offers highest efficiency at simplified logistics and reduced freight costs.

#### Unicolor Superfix - Minilab processes:

C-41 RA: for 2 x 10 litres  
C-41 BNP: for 2 x 20 litres  
CN-16 Q: for 2 x 16 litres  
CN-16 FA: for 2 x 4 litres  
CN-16 L: for 2 x 4 litres

#### Unicolor Superfix - ProLab processes:

C-41: for 2 x 20 litres  
E-6: for 2 x 24 litres

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Colour Developer Replenisher  
CD-R SP45  
Ready-to-use  
Art. No. 102570



Unicolor Superfix FX-VR  
Art. No. 102671



Stabilizer BNP  
Art. No. 102810

### Colour Developer Replenisher CD-R SP45

Long Life Formula

2 x 5 litres Ready-to-use solution

Replenishment rate: 45 ml / 135-24

Art. No. 102570

### Bleach Replenisher BL-RA

5 litres Ready-to-use solution

For C-41 RA, CN-16L, CN-16 FA and C-41 BNP

Replenishment rate: 5 ml / 135-24

Art. No. 102664

### Unicolor Superfix FX-VR

Universal fixer concentrate for colour processes, highly concentrated, designed for C-41 RA, also for C-41 BNP, CN-16 Q, CN-16 FA, CN-16 L, Standard C-41 and E-6.

2 x 3 litres conc. for 2 x 4-24 litres

Replenishment rate: 33 ml / 135-24 (process C-41 RA)

Art. No. 102671

### Stabilizer and Replenisher STAB-BNP

1 litre, dosage bottle

For 20 x 5 / 10 x 10 litres

Replenishment rate: 40 ml / 135-24

Art. No. 102810

### Additiv CD Long Life

Oxidation protector for C-41 und RA-4 colour developer.

Dosage: 5 ml / litre working solution or replenisher.

1 litre dosage bottle

Art. No. 102951

# monoline RA-4

## Colour Developer RA-4

monoline Colour Developers are the perfect product for minilabs: pour water, add monoline concentrate, stir shortly, ready! Depending on the machine size and work load, different products with replenishment rates from 160 ml/m<sup>2</sup> at low work load until 45 ml/m<sup>2</sup> at very high work load can be selected.

monoline SP 45 is a ready-to-use solution and therefore offers particularly comfortable and practical handling. For labs with high flow rate, SP 80 for 100 l is the ideal product. monoline Colour Developers can be combined with all Bleach Fix and Super Stabiliser products.

### Colour Developer Replenisher CD-R SP 160

**Standard Rate** 160 ml / m<sup>2</sup>, 35 °C

Pack for 4 x 10 litres Art. No. 104512

### Colour Developer Replenisher CD-MR SP 108

**Medium Rate** 108 ml / m<sup>2</sup>, 38 °C

Pack for 4 x 10 litres Art. No. 104435

### Colour Developer Replenisher CD-SLR SP 80

**Super Low Rate** 80 ml / m<sup>2</sup>, 38 °C

Pack for 4 x 10 litres Art. No. 102591

10 litres conc. for 100 litres Art. No. 102592

### Colour Developer Replenisher CD-ULR SP 45

**Ultra Low Rate** 45 ml / m<sup>2</sup>, 38,5 °C

Pack 2 x 5 litres Art. No. 102101

Ready-to-use solution



Colour Developer Replenisher  
CD-R SP 160  
Art. No. 104512



Colour Developer Replenisher  
CD-MR SP 108  
Art. No. 104435



Colour Developer Replenisher  
CD-SLR SP 80  
Art. No. 102591



Colour Developer Replenisher  
CD-ULR SP 45  
Art. No. 102101

## Bleach Fix Replenisher RA-4 BX-VR SP

Universally applicable bleach fix with variable replenishment rate – depending on the used process and throughput of the processor, the replenishment rate is 215 ml, 108 ml, or even only 70 ml per m<sup>2</sup>.

The modern 1-part formula allows a comfortable and quick handling.

The concentrate has to be diluted differently with water according to the requested or desired replenishment rate – the less water, the lower the replenishment rate.

Standard Rate: 215 ml / m<sup>2</sup> for 4 x 10 litres

Medium Rate: 108 ml / m<sup>2</sup> for 4 x 7 litres

Intermediate Rate: 70 ml / m<sup>2</sup> for 4 x 5 litres

### Bleach Fix Replenisher BX-VR SP

**Variable Rate:** 70 – 215 ml / m<sup>2</sup>

Pack for 4 x 5 – 10 litres Art. No. 102059

### Bleach Fix Replenisher BX-LR SP 54

Replenishment rate: 54 ml / m<sup>2</sup>

1-part formula. Easy and safe application. Recommended for minilabs with very high workload.

Pack for 2 x 10 litres Art. No. 102063



Bleach Fix Replenisher  
BX-VR SP  
Art. No. 102059



Bleach Fix Replenisher  
BX-LR SP 54  
Art. No. 102063

## Super Stabilizer

The 1 l dosage bottle with 2 spouts enables a particularly easy and variable handling. The bottle can be completely emptied for the mixing of 100 l solution – alternatively, part removals of the concentrate for the mixing of each 5 l solution by means of the integrated metering chamber are possible. On 4 tank cascade, the replenishment rate is 195 – 250 ml/m<sup>2</sup> depending on the work load, on 3 tank cascade, the replenishment rate is 350-400 ml/m<sup>2</sup>.

### Super Stabilizer

1 litre conc. for 10 x 10 litres or 20 x 5 litres

Art. No. 102812



Super Stabilizer  
Art. No. 102812

# professionalline RA-4

## Only the Best

The field of pro labs had to undergo manifold changes in recent years, new additions are online labs and photo book manufacturers. In order to meet our customers' diverse needs, Tetenal has a wide product portfolio of professional chemicals. Processing parameters, packaging sizes and number of the parts are different – the satisfaction of highest demands regarding processing quality and efficiency are constant.

## Benefits:

The wide Tetenal portfolio offers a customised range of products for each single process step – depending on application specific requirements as type of machine, tanks, mixing equipment, work load, used paper and volume. Any type of constellation will be covered: beginning from ready-to-use solutions in small packages to IBC containers with 1,000 l super low rate concentrates and up to the recycling of colour developers and bleach fixes all customer needs are served from a single source.

### Colour Developer Replenisher PROF. DIGITAL PLUS DP160

Pack for 50 litres

Art. No. 102268

CD-R PROF. DP160 produces a deep black and clean crisp whites - the ideal developer for professional papers such as Fuji DP 2 and KODAK Premier. DP160 is a top rank product to match the highest demands - the developer is extremely stable and supplies a perfectly balanced sensitometry. 2-part formula. 35° C. Replenishment rate: 160 ml/m<sup>2</sup>.



Colour Developer Replenisher CD-RT  
Art. No. 102021

### Colour Developer Replenisher CD-RT

Pack for 100 litres

Art. No. 102021

Colour Developer formula to ideally meet the requirements of ProLabs with roller transport equipment. Suitable also for minilabs with very low workload. CD-RT has a high tolerance for process fluctuation, the developer provides a very stable and clean working process, it delivers bright whites and deep blacks. Recommended for professional papers like Fuji DP2 and Kodak Premier. 3-Part formula. 35°C, 215 ml/ m<sup>2</sup>



Bleach Fix and Replenisher BX-RT  
Art. No. 102363 (part 1) und 102364 (part 2)

### Bleach Fix and Replenisher BX-RT

Part 1 10 litres conc. for 50 litres

Art. No. 102363

Part 2 5 litres conc. for 50 litres

Art. No. 102364

Specific RA-4 Bleach Fix, designed for professional papers with a high silver content, e.g. Fuji DP2 and Kodak Premier. Special accelerators make the BX-RT a safe as well as a user friendly product, ideal for ProLabs. An enhanced oxidation protector prevents from decomposition (sulphurisation) under poor workload conditions. 2-Part formula. 215 ml/m<sup>2</sup>

### Super Stabilizer Replenisher Premium

Pack with 2 x 5 litres concentrate for 2 x 100 litres.

Art. No. 102257

Premium formula for highest requirements. Maximum resistance to the formation of algae and other microorganism. Optical brighteners subserve clean whites.

1-Part formula. 200 ml / m<sup>2</sup> (4 tanks) / 280 ml / m<sup>2</sup> (3 tanks)



Super Stabilizer Replenisher Premium  
Art. No. 102257

## Universal Start-Up Kits

The Universal Start-Up Kits RA-4 make the initial tank-up and refilling of Minilabs with fresh working solutions as simple as ABC! External mixing containers and complicated calculations with Starters etc., are no longer necessary.

The mixing of the TETENAL Start-Up Kits is done directly in the appropriate working tanks of the minilab. Fill the tank with water as instructed in the easy to follow instructions, add the required number of start-up kits for your type of minilab as listed, top up with water, bring up to working temperature and you are ready to go!

Suitable for all minilabs such as Agfa d-lab, Fuji Frontier, Noritsu, Konica Minolta, KIS, Gretag and others. They are truly universal!



Universal Start-Up Kit, Art. No. 103022

For 2 x 4,5 l Colour Developer RA-4 Art. No. 103022

For 2 x 4,5 l Bleach Fix RA-4 Art. No. 103023

# professionalline E-6

**First Developer Replenisher** **FD-R** for 50 l Art. No. 105480  
10 l conc. Replenishment rate 2150 ml/m<sup>2</sup>. For the mixing of working solution First Developer Starter Art. No. 105438 is requested.

**Reversal and Replenisher** **REV** for 100 l Art. No. 105481  
5 l conc. Replenishment rate 1100 ml/m<sup>2</sup>. Working solution and replenisher are identical.

**Colour Developer Replenisher Part 1** **CD-R** for 50 l Art. No. 105482  
10 l conc. Replenishment rate 2150 ml/m<sup>2</sup>. For the mixing of working solution Colour Developer Starter Art. No. 105441 is requested.

**Colour Developer Replenisher Part 2** **CD-R** for 50 l Art. No. 105483  
10 l conc. Replenishment rate 2150 ml/m<sup>2</sup>. For the mixing of working solution Colour Developer Starter Art. No. 105441 is requested.

**Pre Bleach and Replenisher** **PB** for 50 l Art. No. 105484  
5 l conc. Replenishment rate 1100 ml/m<sup>2</sup>. Working solution and replenisher are identical.

**Bleach Replenisher** **BL-R** for 10-20 l Art. No. 105485  
For 10 l replenisher (ready-to-use solution) or for 20 l working solution. Replenishment rate: 215 ml/m<sup>2</sup>. For the mixing of working solution Bleach Starter Art. No. 103333 is requested.

**Fixer and Replenisher** **FX** for 80 l Art. No. 104356  
10 l conc. Replenishment rate 1100 ml/m<sup>2</sup>. Working solution and replenisher are identical.

**Stabilizer and Replenisher** **STAB** for 100 l Art. No. 102810  
1 l conc. Replenishment rate 1100 ml/m<sup>2</sup>. Working solution and replenisher are identical.  
Formalin free.



First Developer Replenisher FD-R  
Art. No. 105480



Stabilizer BNP  
Art. No. 102810



Colour Developer Replenisher CD-R Part 2  
Art. No. 105483

# professionalline C-41

**Colour Developer Replenisher SP45** **CD-R** for 2 x 5 l Art. No. 102570  
Replenishment rate 66 ml / 135-36. 1-Part formula. Ready-to-use solution.

**Bleach Replenisher and Regenerator** **BL-R** 10 l conc. Art. No. 104354  
For 30 l Replenisher or 250 l Regenerator. Replenishment rate 33 ml / 135-36

**Unicolor Superfix** **FX-VR** für 2 x 4-24 l Art. Nr. 102671  
Variously usable, highly concentrated colour fixer. Depending on process, the concentrate is diluted differently. 2 x 3 litres conc. for 2 x 20 litres FX. Replenishment rate 66 ml/135-36

**Stabilizer and Replenisher** **STAB-BNP** for 100 l Art. No. 102810  
Formalin free. Dosage bottle. 1 litre conc. Replenishment rate 66 ml/135-36.



Bleach Replenisher and Regenerator BL-R  
Art. No. 104354

**Additiv CD Long Life** 1 l Art. No. 102951  
Antioxidant for C-41 and RA-4 Colour Developer. 1 litre dosage bottle with dispensing dosing head.  
Dosage: 5 ml / litre.

Tetenals' new and highly effective protection against oxidation. Extends the life of colour developers at sites with low work load.

Add every 2 weeks directly to the working solution – and each time you mix replenisher.

Ideal for C-41 CD-R and CD-LR, (not required for CD-SP 45). Perfect for machines with liquid processing cartridges or ecojet tablets – also add every 2 weeks directly to the working solution.



Additiv CD Long Life  
Art. No. 102951

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