

## PRODUCT INFORMATION

### RA-4 BX-LR 54 Bleach Fix *Low Rate*

RA-4 BX-LR 54 is a 1-Part bleach fix with a very low replenishment rate, designed for the processing of RA-4 compatible papers in Minilabs with very high utilisation.

RA-4 BX-LR 54	Pack with 2 x 5 L conc. for 2 x 10 L replenisher. For 370 m <sup>2</sup> .	REF 12650
RA-4 BX-S	Bleach Fix Starter, 2 L conc. for 40 L working solution	REF 12910
RA-4 BX-Additiv	Antioxidant, 1 L conc.	REF 16450

LR 54 stands for Low Rate with a replenishment rate of only 54 ml/m<sup>2</sup>. The demands on machine utilisation are correspondingly high. BX-LR 54 is designed for a very high utilisation, i.e. when the working tank can be exchanged with BX-LR 54 replenisher once in no more than 3 weeks.

This corresponds to a material throughput of at least 19 m<sup>2</sup> of colour paper per litre of working tank in approx. 3 weeks. If the exchange takes longer, a bleach fix with a higher replenishment rate should be used alternatively to achieve better stability of the working solution, a product such as e.g. RA-4 BX-VR.

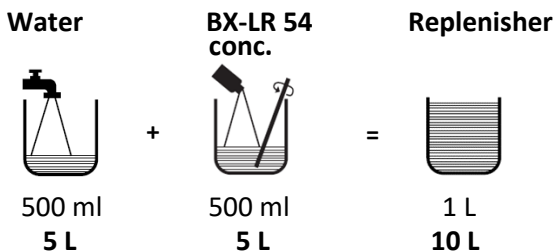
**Bleach Fix Starter BX-S** is required, if bleach fix working solution is to be prepared fresh.

**BX-Additiv** is an optional antioxidant. It protects the bleach fix from premature decomposition at low utilisation.

### PROCESSING PARAMETERS

Time 45 s    Temperature: 36°C ± 3°C    Replenishment rate: 54 ml/m<sup>2</sup>

### MIXING OF REPLENISHER



### OPTIONAL USE OF BX-ADDITIV

If BX-LR 54 is to be applied, despite of a low utilisation, **BX-Additive**, REF 16450 must be added to prevent a premature decomposition of the working solution under sulphur precipitation.

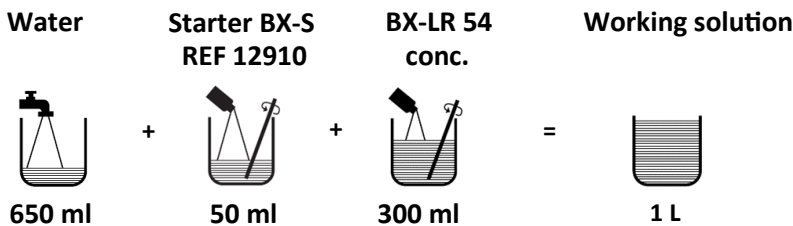
**Addition of BX-Additiv:**

**Replenisher:** 20 ml BX-Additiv per litre of BX, directly after mixing.

**Working solution:** 5-10 ml BX additive per litre of BX, once a week.

## MIXING OF WORKING SOLUTION

Mixing of working solution is required when the working tank of the machine is to be refilled, e.g. when installing a machine or after cleaning the tank during maintenance work.



The indicated quantities for water, Starter BX-S and BX-VR concentrate for mixing 1 litre of working solution are to be multiplied by the volume of the respective BX-LR 54 working tank.

Start mixing with the full amount of water, then add Starter BX-S and BX-LR 54 concentrate.  
Mixing time approx. 1-2 minutes.

## 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.

## SHELF LIFE

RA-4 BX-LR 54 concentrates in unopened, originally sealed bottles and canisters have a shelf life of approx. 2 years.

## STORAGE

RA-4 BX-LR 54 concentrates should be stored dry, frost-proof and out of the reach of children. The maximum temperature range is between 5°C and 25°C. Storage temperatures between 10°C and 20°C are ideal.

## DISPOSAL

Photographic chemicals - concentrates or used baths - must not be discharged into the public sewer 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.