

PRODUCT INFORMATION

RA-4 BX-VR Bleach Fix *Vario Rate*

RA-4 BX-VR is a 1-part bleach fix with variable replenishment rates designed for processing of RA-4 compatible colour papers, recommended for minilabs, roller transport and leaderbelt machines

RA-4 BX-VR	Canister with 20 L conc. for 40-100 L Replenisher	REF 12662
RA-4 BX-VR	Canister with 60 L conc. for 120-300 L Replenisher	REF 12665
RA-4 BX-Starter	2 L conc. for 40 L working solution	REF 12910
RA-4 BX-Additiv	Antioxidant, 1 L conc.	REF 16450




VR stands for Vario Rate: depending on different dilutions of the concentrate with water, a correspondingly higher or lower replenishment rate can be adjusted in a wide range from 54 ml/m², over 70 ml/m² and 108 ml/m² up to 215 ml/m².

The higher the utilisation of the processor, the lower the replenishment rate can be. Seasonal fluctuations in the utilisation can be variably adjusted by temporarily switching to a different mixing with a correspondingly higher or lower replenishment rate. The new replenishment rate is to be set, when the modified replenisher is initially fed to the working solution.

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




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

MIXING OF REPLENISHER (20 L CONCENTRATE)

Water	BX-VR conc.	Replenisher	
			
800 ml	200 ml	1 L	
80 L	20 L	100 L	215 ml/m² Standard Rate
715 ml	285 ml	1 L	
50 L	20 L	70 L	108 ml/m² Medium Rate
600 ml	400 ml	1 L	
30 L	20 L	50 L	70 ml/m² Intermediate Rate
500 ml	500 ml	1 L	
20 L	20 L	40 L	54 ml/m² Low Rate

Warm water promotes rapid mixing.

MIXING OF REPLENISHER (60 L CONCENTRATE)

Water	BX-VR conc.	Replenisher	
			
800 ml	200 ml	1 L	
240 L	60 L	300 L	215 ml/m ² Standard Rate
715 ml	285 ml	1 L	
150 L	60 L	210 L	108 ml/m ² Medium Rate
600 ml	400 ml	1 L	
90 L	60 L	150 L	70 ml/m ² Intermediate Rate
500 ml	500 ml	1 L	
60 L	60 L	120 L	54 ml/m ² Low Rate

OPTIONAL USE OF BX-ADDITIV

If BX-VR is to be applied at Intermediate Rate or at Low Rate - in spite of low utilisation - it is obligatory to add BX-Additiv, REF 16450 in order to prevent a premature decomposition of the working solution under precipitation of sulphur.





Addition of BX-Additiv:

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

Working solution: 5-10 ml BX Additiv 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.

Water	Starter BX-S	BX-VR	Working solution
			
650 ml	50 ml	300 ml	1 L

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 working tank.

Start mixing with the full amount of water, then add Starter BX-S and BX-VR concentrate.

Mixing time approx. 1-2 minutes.

STORAGE

RA-4 BX-VR 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.

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-VR concentrates in unopened, originally sealed bottles and canisters have a shelf life of approx. 2 years.

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.