

PRODUCT INFORMATION

RA-4 STAB-WL *ULTRA PERFORMANCE* Super Stabilizer & Replenisher

RA-4 STAB-WL *Ultra Performance* (UP) is a Super Stabilizer for the washless processing of RA-4 compatible Professional Colour Papers - specially designed to meet highest requirements for application in machines such as Chromira, Polielettronica, Theta. Equally it can also be used in minilab processors, e.g. from Noritsu.




RA-4 STAB-WL *Ultra Performance* is formulated with a combination of special broad band biocides which effectively suppress the formation and the growth of algae and slime bacteria in the working tanks of the machines. The tanks remain clean, even under difficult processing conditions. Optical brighteners are supporting the image whites of the Colour Paper visually.

WL stands for Washless/Waterless, i.e. the use of a chemical Super Stabilizer instead of a water wash. Application takes place in a cascade of 3 or 4 tanks - the replenisher is fed into the last tank in the cascade, from where the overflow is fed into the tank in front of it. The overflow from the first tank is disposed of. The more tanks the cascade is equipped with, the lower the replenishment rate.

RA-4 STAB-WL *Ultra Performance*

Pack with 4 x 1 L concentrate for 4 x 20 L REF 12708

MIXING OF REPLENISHER

Water ca. 20-25 °C	STAB-WL(UP) conc.	Replenisher
		
950 ml 9,5 L 19 L	50 ml 500 ml 1 L	1 L 10 L 20 L

Stir in the concentrate only briefly (approx. 30 - 60 s) -
avoid air turbulence during mixing to prevent foaming.

MIXING OF WORKING SOLUTION

Working solution and replenisher are identical. A Starter is not required.

Mixing of working solution becomes necessary, 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.

For the preparation of Super Stabilizer ideally apply a mixer or a large, sturdy bucket with a pouring spout. Stir in the concentrate only briefly, avoid air turbulence during mixing to prevent foaming. Pour excess Super Stabilizer into the replenisher tank.

PROCESSING PARAMETERS

Time: 3 x ca. 30 s (3-tank-cascade) resp. 4 x ca. 22 s (4-tank-cascade)

Replenishment rate: 280 ml/m² (3-tank-cascade) resp. 200 ml /m² (4-tank-cascade)

Temperature: 36°C ± 3°C

The specified replenishment rates are guide values - higher rates are possible without restriction, as STAB-WL working solution and replenisher are identical. Longer times are also not critical. Higher replenishment rates may become necessary under certain circumstances, for example with low utilisation or if a Low Rate Bleach Fix is used.

COMPENSATION OF EVAPORATION

Tempered working solutions are subject to a continuous evaporation of water. Accordingly, the evaporation should be compensated by a daily addition of water to the working solution in order to avoid an increase in concentration.

In case that machines are not equipped with an automatic compensation system, water is to be added manually to the Super Stabilizer working tanks, by filling up to the overflow level before every start working.

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 STAB-WL *Ultra Performance* concentrate 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.

SHELF LIFE

RA-4 STAB-WL *Ultra Performance* concentrate in unopened, originally sealed bottles and canisters has 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.