CALBE CHEMIE

PRODUCT INFORMATION

F 905 Wetting agent

Wetting agent F 905 is designed for B&W film processing, it is applied as final bath after the water wash. It allows the water to run off films evenly, ensuring a streak-free, fast drying. F 905 has antistatic effect. The agent can be used in spiral tanks and trays, as well as in developing machines with automatic replenishment.

F 905 Wetting agent 0.5 L conc. for 100 L REF 13720

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.

APPLICATION IN SPIRAL TANKS AND TRAYS

MIXING

Guide value for mixing: 1+ 200 (1 part concentrate + 200 parts water)
The preparation of a ready-to-use F 905 working solution is done by mixing F 905 concentrate with water. If the water hardness is higher than 8° dh (degrees German hardness) the use of demineralised water is recommend. Corresponding with 10° e (degrees English hardness) and with 14° fh (degrees French hardness)

The guide value for mixing is a starting point for potential individual adjustments. Depending on water quality, equipment and film material used, a lower or higher dilution may be required. If the concentration is too high, greasy residues may remain—if the concentration is too low, run-off stains may usually appear.

TIME

approx. 60 - 90 seconds

TEMPERATURE

A temperature of approx. 20 °C is recommended for spiral tanks and trays. Higher temperatures are possible, but they have no influence on the time.

AGITATION

When using spiral tanks, the spirals with the reeled films are only slightly moved up and down in the open tank, approx. 3 - 4 times per minute is sufficient. A strong agitation could possibly lead to foaming. When working with processors, e.g. such as Jobo, spiral tanks should be undocked for the final bath.
Sheet films are best treated in a tray by carefully gripping the edge of the film material with laboratory tongs, gently moving up and down.

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APPLICATION IN DEVELOPING MACHINES

MIXING OF REPLENISHER

Water		F 905 conc.		Replenisher
	+		=	
995 ml		**5 ml**		**1 L**
49,75 L		**0,25 L**		**50 L**
99,50 L		**0,50 L**		**100 L**

MIXING OF WORKING SOLUTION

Water		F 905 conc.		Working solution
	+		=	
996 ml		**4 ml**		**1 L**
49,80 L		**0,20 L**		**50 L**
99,60 L		**0,40 L**		**100 L**

The preparation of a ready-to-use F 905 working solution is done by mixing F 905 concentrate with water. If the water hardness is higher than 8° dh (degrees German hardness) the use of demineralised water is recommend— corresponding with 10° (degrees English hardness) and with 14° fh (degrees French hardness).

The dilution: 1+200 (5 ml per litre) is a guide value, a starting point for individual adjustment. Depending on water quality, equipment and film material used, a lower or higher dilution may be required. If the concentration is too high, greasy residues may remain—if the concentration is too low, run-off stains may usually appear.

TIME - TEMPERATURE

Temperature: ca. 18-35°C
Time: approx. 60-90 seconds.

REPLENISHMENT RATE / FILM

66 ml/135-36
46 ml/135-24
65 ml/120

REPLENISHMENT RATE / METER

41 ml/Meter 135
78 ml/Meter 120

STORAGE

F 905 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

F 905 concentrate in unopened, originally sealed bottles has a shelf life of approx. 3 years. The shelf life of partially filled bottles is approx. 1-2 years, depending on the fill level. The shelf life of ready-to-use solutions is significantly influenced by the condition of the water: approx. 2-3 weeks.

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.

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