

USING RECORD

Record is the basic fixer for all SPRINT SYSTEMS processes. RECORD works quickly with a favorable pH to fix prints before thiosulfate absorption can reach damaging levels, and promote thorough washing for permanence.

Convert RECORD Speed Fixer into a hardening fixer for B&W films and prints with RECORD Alum Hardening Converter, packaged separately.

One liter of concentrate will make 10 liters of print fixer, enough for (600) 8x10 fiber prints or (900) 8x10 resin-coated prints, or 5 liters of film fixer, enough for 150 rolls of film. See HOW TO MIX directions for each application below.

HOW TO MIX

Choose the desired *working solution* from the examples below.

FILM FIXER: Dilute RECORD Speed Fixer *concentrate* 2:8 with water. To Each liter of diluted fixer, add 30ml of RECORD Alum Hardening Converter.

For Example: 200ml RECORD Speed Fixer *Concentrate*
800ml Water
+ 30ml RECORD Alum Hardening *Concentrate*
1030ml Film Fixer *Working Solution*

PRINT FIXER: Dilute RECORD Speed Fixer *concentrate* 1:9 with water.

For Example: 100ml RECORD Speed Fixer *Concentrate*
+ 900ml Water
1000ml Print Fixer *Working Solution*

FAST

PRINT FIXER: Dilute RECORD Speed Fixer *concentrate* 2:8 with water.

For Example: 200ml RECORD Speed Fixer *Concentrate*
+ 800ml Water
1000ml Fast Print Fixer *Working Solution*

HARDENING

PRINT FIXER: Dilute RECORD Speed Fixer *concentrate* 1:9 with water. To each liter of diluted fixer, add 15ml of RECORD Alum Hardening Converter.

For Example: 100ml RECORD Speed Fixer *Concentrate*
900ml Water
+ 15ml RECORD Alum Hardening *Concentrate*
1015ml Hardening Print Fixer *Working Solution*

HOW TO USE

Immerse B&W films and prints for 3 minutes. Agitate continuously for the first minute, and for 10-15 seconds for each minute thereafter.

Use non-hardening fixer for B&W prints only.

Prints may be left in non-hardening fixer for at least 10 minutes without bleach damage. To reduce print fixing time, use the Fast Print Fixer solution for 30 seconds only with constant agitation.

Use hardening fixer for all B&W films and some B&W prints.

Use BLOCK Stop Bath before fixing to provide the correct acid value for hardening. Hardening increases with immersion time. For very rapid print fixing with hardener, immerse in Film Fixer solution for 30 seconds only with constant agitation.

Resin-coated prints should be hardened in the fixer for a hard gloss finish; without hardening they will have a soft-gloss finish. Fiber prints should not be hardened except under certain circumstances. Excessive hardening can make prints brittle and difficult to wash and tone. Correctly timed hardening and washing with ARCHIVE Fixer Remover will ensure best results.

Please read RECORD Alum Hardening Converter and ARCHIVE Fixer Remover labels for further information before using hardening fixer

ODOR

RECORD Speed Fixer alone has no objectionable odor. When RECORD Alum Hardening Converter is added, a slight odor is generated by sulfur dioxide vapors.

CAPACITY

One liter of RECORD Speed Fixer *working solution* will process at least (60) 8x10 fiber prints or (90) 8x10 resin-coated prints or the equivalent of (30) rolls of 35mm, 36 exposure film.

The fixing capacity of RECORD Speed Fixer is not affected by addition of RECORD Alum Hardening Converter.

SHELF LIFE

RECORD Speed Fixer concentrate, stored with up to 25% air in the container, has a shelf life of at least 2 years.

RECORD Speed Fixer working solutions without hardener have the following shelf life:

Working Solution	at least
Full Container	12 months
With up to 25% air	2 months
Uncovered Tray	2 weeks

Working solutions with added Alum Hardening Converter have approximately one-half this shelf life.

WARNING: MAY CAUSE ALLERGIC SKIN OR RESPIRATORY REACTION. MAY CAUSE OR AGGRAVATE ASTHMA. BREATHING MIST OR VAPOR MAY CAUSE RESPIRATORY IRRITATION. PROLONGED CONTACT MAY CAUSE SKIN OR EYE IRRITATION.

PRECAUTIONS

Avoid contact with eyes, skin or clothing. Do not swallow. Avoid breathing vapor or mist. Wear chemical resistant gloves and apron (butyl rubber) and safety glasses with side shields or chemical goggles. Ensure darkroom is ventilated with an exhaust fan to remove vapors. Wash thoroughly after handling, and before eating, drinking or smoking.

HANDLING, STORAGE AND DISPOSAL

Keep container closed when not in use. Store away from acids, bases, strong oxidizers and incompatible materials, in a cool, well-ventilated area. Absorb spills with kitty litter, sand or earth and package in a suitable container for disposal. Do not reuse container.

FIRST AID

For Inhalation:

Remove from area to fresh air. If not breathing, give artificial respiration. Get immediate medical attention. If breathing is difficult, give oxygen.

For Eye/Skin Contact:

Rinse eyes and/or skin with plenty of water for several minutes. Seek medical attention if irritation develops and persists.

For Ingestion:

DO NOT induce vomiting. Give victim a glass of water. Get medical attention to determine if vomiting or evacuation of stomach is necessary. Do not give anything by mouth to an unconscious or convulsing person.

WARNING: KEEP OUT OF REACH OF CHILDREN

For more information, read the Material Safety Data Sheet which may be obtained from your supplier or on the web at www.sprintsystems.com.

Conforms to ASTM D 4236.

EMERGENCY Telephone Number: ChemTel 1-800-255-3924, or contact a physician or your local Poison Control Center.

LIMITED WARRANTY

Sprint Systems will not be responsible for any harmful effects caused by swallowing or inhaling the contents of any Sprint chemical, or by contact of Sprint chemicals with skin or eyes. Warranty limited to replacement of Sprint products if defective in manufacture, labeling or packaging.

SPRINT[®] RECORD[®]



SPEED FIXER

ODORLESS NON-HARDENING NON-BLEACHING
DILUTE 2:8 WATER FOR B&W FILMS or DILUTE 1:9 WATER FOR B&W PRINTS

ADD TO RECORD ALUM HARDENING CONVERTER TO MAKE A HARDENING FIXER