

RECORD Alum Hardening Converter

Add RECORD Alum Hardening Converter concentrate to RECORD Speed Fixer in a ratio of 15 ml Converter to every 100 ml RECORD Fixer concentrate present in the working solution. On no account mix Alum Hardening Converter with RECORD Speed Fixer Concentrate, only add it to working solution.

Choose the desired working solution from the examples below.

HARDENING FILM FIXER

Dilute RECORD Speed Fixer concentrate 2:8 with water. To each liter of diluted fixer, add 30 ml of RECORD Alum Hardening Converter concentrate. This is only called for in rare cases – such as hand-coated films or plates – as modern commercially available films are all (as far as we know) pre-hardened in manufacture.

For example:

200ml RECORD Speed Fixer Concentrate
800ml Water
+ 30ml RECORD Alum Hardening Converter Concentrate
= 1030ml RECORD Hardening Film Fixer Working Solution

HARDENING PRINT FIXER

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

For example:

100ml RECORD Speed Fixer Concentrate
900ml Water
+ 15ml RECORD Alum Hardening Converter Concentrate
= 1015ml RECORD Hardening Print Fixer Working Solution

HARDENING STOP BATH

Dilute BLOCK Stop Bath and ARCHIVE Fixer Remover concentrates with water in the proportions described below.

To each liter of this working solution, only then add 30 ml RECORD Alum Hardening Converter concentrate.

For example:

40ml BLOCK Stop Bath Concentrate

60ml ARCHIVE Fixer Remover Concentrate

900ml Water

+ 30ml RECORD Alum Hardening Converter Concentrate

= 1030ml Hardening Stop Bath Working Solution

When mixing other quantities of hardening stop bath, please be sure to maintain not only the correct proportions but also the order described above.

How to Use

HARDENING FILM AND PRINT FIXERS

Fix for 1-3 minutes as directed in instructions for RECORD Speed Fixer. Hardening increases with immersion time. To reduce hardening, shorten immersion time.

HARDENING STOP BATHS

Immerse films or prints for 3-6 minutes with constant agitation, as directed in instructions for BLOCK Stop Bath.

Compatibility

RECORD Alum Hardening Converter is compatible with SPRINT™ products only. Do not mix with other brands of fixer. Do not mix other brands of hardener with SPRINT™ products.

Before toning or spot coloring, hardened prints must be treated with ARCHIVE Fixer Remover and washed, as directed by instructions for using ARCHIVE Fixer Remover.