

DATA SHEET



Speed **P**hotography
+
Ultrahigh **R**esolution

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SPUR Photochemie

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SPUR Ultrafix N and SPUR Ultrafix Plus H

FIXER AND HARDENER FOR BW FILMS AND PAPERS

SPUR Ultrafix N is an acidic fixer for BW films and papers. It can be used for all customary BW fixing purposes.

SPUR Ultrafix N features a high capacity and high fixing speed, which makes for, and ensures, full fixing of films and papers even with short processing times.

Mixing: Dilution for films: 1+4 to 1+7. Dilution for papers: 1+7 to 1+9.

Fixing times for films at 20° C: Rule of thumb: At a 1+4 dilution, normal speed films are fixed for 2-3 minutes, high speed films for 4-5 minutes. At a 1+7 dilution, normal speed films are fixed for 4-5 minutes, and high speed films for 7-8 minutes. You may determine fixing times precisely suited to your respective emulsion by fixing unexposed film material in broad light. The total fixing time is equal to twice or thrice the clearing time.

Fixing times for papers at 20° C: Rule of thumb: At a 1+7 dilution, PE papers are fixed for 1-2 minutes, and baryta papers for 5-10 minutes. At a 1+9 dilution, PE papers are fixed for 3 minutes, and baryta papers for 10-15 minutes.

SPUR Ultrafix Plus H is a hardening additive for **SPUR Ultrafix N**, which is added to the working solution at preparation according to the following specifications:

200ml Ultrafix N + 50ml Ultrafix Plus H + 750ml water = 1l working solution of hardening fixer.

Due to the acidic pH value of the working solution, you *need not* use a stop bath when using Ultrafix N, with or without hardening additive.

Please comply with the customary safety precautions for chemicals as usual when handling with **SPUR Ultrafix N** and read the health warnings on the labels. A safety precaution sheet for this product is available from us by e-mail on request.