

DATA SHEET



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

SPUR Photochemie

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Data Sheet for SPUR UFP

SPUR UFP is a universal developer for b/ w films and b/ w papers conceived under completely new aspects. Up to now such developers implied suboptimal results either in the development of film or paper or both, since it was impossible to combine the requirements of film and paper development in one product.

SPUR UFP however for the first time does provide for an uncommonly high quality of film as well as paper development in one product to fulfill every wish.

The features of SPUR Cool Black and SPUR ACUROL-P being the inspiration behind UFP paper development, the latter is distinguished by a slightly cool, neutral black print tone as well as extraordinary high plasticity and unique possibilities for varying gradation. The scope of dilution is much higher than in normal paper developers; we recommend a standard dilution of 1+20.

UFP film development is derived from SPUR HRX. Therefore it boasts fine grain and very high sharpness. The curve is ideal and especially suitable for using the Zone System.

For information on processing, please refer to the attached developing chart.

The parameters indicated are valid for the tank development of 35 mm and roll films and cannot be used for the steady movement, tray development of sheet film, for tank development, or for rotatory development. Here the times indicated must be reduced to suit the circumstances.

The minimum amount of concentrate required for the development of one 35 mm film is 5 to 6 ml. In higher dilutions however you have to ensure still to use a sufficient amount of concentrate, so that the required amount of working solution is possibly higher.

Shelf life:

SPUR UFP has a useful lifespan of at least 2.5 years in its sealed, original bottles. A rather cool storage place must be provided. **SPUR UFP comes in gas proof, PET bottles.** Using protective gas is very effective with those bottles and this is what we recommend for **SPUR UFP**.

Entwicklungstabelle/Developing Chart SPUR UFP

1.) Paper Development:

We recommend a dilution of 1 + 20 and a developing time of 2 minutes at a temperature of 20° C.

2.) Film Development:

The values indicated in the chart are valid for a developing temperature of 20° C for negatives with a normal contrast. Agitate permanently by tank inversion the first 30 seconds and once every minute thereafter. At exposure you must comply with the ISO figures as indicated in this developing chart, and NOT the requirements of film manufacturers.

If using a condenser developing time for films should be reduced by 10 to 15 %.

Manufacturer/Film	Film Speed ISO	Dilution	Developing Time(min)
ADOX CHS 100 II	100/21°	1 + 24	9
ADOX Silvermax	40/17°	1 + 30	8
Agfaphoto APX 100 New	80/20°	1 + 30	8
Agfaphoto APX 400 New	400/27°	1 + 20	11,5
Bergger BRF 400 plus	400/27°	1 + 20	11,5
Fomapan 100	80/20°	1 + 30	9
Fomapan 200	125/22°	1 + 20	8
Fomapan 400	200/24°	1 + 20	9,5
Fuji Acros 100	64/19°	1 + 30	9
Ilford Delta 100	80/20°	1 + 30	8
Ilford Delta 400	400/27°	1 + 20	10
Ilford Delta 3200	800/30°	1 + 15	13
Ilford Pan F +	20/14°	1 + 40	8
Ilford FP4 +	100/21°	1 + 24	7
Ilford HP5 +	400/27°	1 + 24	9
Ilford SFX 200	80/20°	1 + 24	7,5
Kentmere 100	80/20°	1 + 30	8
Kentmere 400	400/27°	1 + 20	11,5
Kodak Tmax 100	80/20°	1 + 24	9,5
Kodak Tmax 400	320/26°	1 + 30	11
Kodak Tri X 400	320/26°	1 + 24	9
ORWO UN 54	125/22°	1 + 24	7,5
Rollei RPX 25	20/14°	1 + 40	8,5
Rollei RPX 100	80/20°	1 + 30	9
Rollei RPX 400	400/27°	1 + 17	12
Rollei Superpan 200	50/18°	1 + 24	8
Rollei Retro 80 S	20/14°	1 + 40	9
Rollei Retro 400 S	50/18°	1 + 24	8
Rollei IR 400 S	50/18°	1 + 24	8