

Tanol

Developing Times Chart

update April 2014

Roll film 120 and 35mm 135/36 in common spiral tanks

Dilute **1+1+100**. Inverse tank continuously the first 30 seconds, then once or twice each further minute.

The least amount of developer to be used is 5ml (A 2,5ml + B 2,5ml) per film!

Attention: The quality of water is very important when high dilutions shall be prepared. It is recommended to use distilled water.

Using tap water may produce slight differences at film speed.

Film	ISO	20°C	22°C	24°C	Kipp	b&f *
ADOX CHS 25 / Efke 25	16/15°	12:30	10:15	8:30	2/60	0.07
ADOX CHS 50 / Efke 50	40/17°	14:45	12:15	10:00	2/60	0.07
ADOX CHS 100 / Efke 100	80/20°	17:00	14:00	11:30	2/60	0.16
Efke IR 820/100	50/18°	14:30	12:00	9:45	2/60	0.16
Fuji Acros	64/19°	16:30	13:30	11:00	2/60	0.14
Fuji Neopan 400	250/25°	16:00	13:15	10:45	2/60	0.12
Ilford Delta 100	64/19°	11:15	9:15	7:30	2/60	0.16
Ilford FP4+	100/21°	17:00	14:00	11:30	2/60	0.12
Ilford Delta 400	250/25°	17:30	14:20	11:45	2/60	0.21
Ilford HP5+	200/24°	16:30	13:30	11:00	2/60	0.27
Ilford SFX	125/22°	17:30	14:20	11:30	2/60	0.19
Kodak PlusX 120	100/21°	16:00	13:15	10:45	3/60	0.29
Kodak 100Tmax	64/19°	17:00	14:00	11:30	2/60	0.17
Kodak 400 Tri-X 120	200/24°	15:45	13:00	10:30	2/60	0.27
Kodak 400 TMY2 120	200/24°	17:45	14:30	12:00	2/60	0.33
Rollei Superpan 200 PRO tungsten	160/23°	20:30	16:45	14:00	2/30	0.09
Rollei Superpan 200 PRO daylight	100/21°	22:00	18:00	15:00	2/30	0.09
Rollei IR820/400 120	200/24°	22:00	18:00	15:00	2/60	0.07
Rollei RPX 100 / Kentmere 100 135	80/20°	11:30	9:30	7:45	2/60	0.18
Rollei RPX 100 120	80/20°	12:30	10:15	8:30	2/60	0.12
Rollei RPX 400	160/23°	17:00	14:00	11:30	2/30	0.20

* b&f = base & fog - Roll 120 bei 24°C – the values for 135 films may be higher

Please use the development time- calculator at www.moersch-photochemie.com for adjusting the duration at different temperatures.

Stopping bath ½ to 1%, 30 seconds.

Neutral or light alkali fixing baths are recommended instead of acid ones.

Times lie between two and four minutes if our alkali fixing bath is used at 1+5. Washing: 6-10 minutes

Both solution A and solution B will keep for more than one year in filled containers.