

Tanol

update October 2008

Developing Times Chart

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 64°F	22°C 72°F	24°C 75°F	Inv.	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
APX 100	80/20°	20:00	16:30	13:30	2/60	0.18
APX 400	250/25°	21:30	17:45	14:30	2/60	0.23
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 PanF+	50/18°	13:30	11:00	9:00	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	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	200/24°	15:45	13:00	10:30	2/60	0.27
Kodak 400 TMY2	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	200/24°	22:00	18:00	15:00	2/60	0.07

* 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.