

# eco film developer

## Developing Times Chart (July 2010)

Roll film 120 and 35mm 135/36 in common spiral tanks, sheet films tray development

Agitation: Inverse tank continuously the first 60 seconds

60/30/2 means, after the first 60 seconds 2 inversions every 30 seconds

It is recommended to use distilled water. Using tap water may produce slight differences at film speed.

The least amount of developer (A+B) per film is 10+5ml. Exceptions are Adox/Efke25, Delta100, Fuji Acros.

Dilutions

Rollfilm 120: 2+1+50 = 20+10+500 2+1+60 = 16+8+480 2+1+40 = 24+12+480 2+1+30 = 30+15+450

135/36: 2+1+50 = 10+5+250 2+1+60 = 8+4+240 2+1+40 = 12+6+240 2+1+30 = 15+7,5+225

Sheet film 4x5

in a 5x7/13x18-tray: 2+1+50 = 10+5+250 etc.

Film	ISO	V	19°C	20°C	21°C	22°C	Agitation
ADOX CHS 50 / Efke 50	50/18°	2+1+50	10:30	09:30	08:40	07:50	60/30/2
ADOX CHS 100 / Efke 100	80/20°	2+1+40	13:50	12:30	11:20	10:15	60/30/2
Efke IR 820	64/19°	2+1+30	10:30	09:30	08:40	07:50	60/30/2
APX 100 / Rollei Retro 100	80/20°	2+1+50	11:00	10:00	09:00	08:15	15/30/1
APX 400 / Rollei Retro 400	250/25°	2+1+30	17:00	15:30	14:00	12:45	60/30/2
Fuji Acros	80/20°	2+1+60	12:30	11:20	10:15	09:20	60/60/2
Fuji Neopan 400	320/26°	2+1+50	13:30	12:15	11:00	10:00	60/30/2
Ilford Pan F	32/16	2+1+70	10:30	09:30	08:40	07:50	30/60/2
Ilford Delta 100	80/20°	2+1+60	09:00	08:10	07:30	06:40	60/30/2
Ilford FP4+	100/21°	2+1+50	09:15	08:20	07:40	06:50	60/30/2
Ilford Delta 400	500/28°	2+1+40	14:20	13:00	11:45	10:40	60/20/2
Ilford Delta 400	320/26°	2+1+50	13:50	12:30	11:20	10:15	60/20/2
Ilford HP5+	320/26°	2+1+40	12:00	10:50	09:50	09:00	60/30/2
Ilford SFX	125/22°	2+1+40	12:00	10:50	09:50	09:00	60/30/2
Kodak PlusX	125/22°	2+1+50	09:00	08:10	07:30	06:40	60/30/2
Kodak PlusX	250/25°	2+1+40	13:30	12:15	11:00	10:00	60/30/2
Kodak 100Tmax	100/21°	2+1+50	13:50	12:30	11:20	10:15	60/20/2
Kodak 400 Tri-X	400/27°	2+1+30	12:30	11:20	10:15	09:20	60/20/2
Kodak 320 TXP	320/26°	2+1+50	11:15	10:10	09:15	08:20	60/30/2
Kodak 400 TMY2	400/27°	2+1+40	12:15	11:00	10:00	09:10	60/30/2
Fomapan 100	64/19°	2+1+50	07:15	06:35	06:00	05:25	60/30/2
Fomapan 200	125/22°	2+1+50	07:45	07:00	06:20	05:45	60/30/2
Fomapan 400	200/24°	2+1+50	14:20	13:00	11:45	10:40	60/30/2
Kentmere 100	125/22°	2+1+50	07:30	06:50	06:00	05:35	60/30/2
Kentmere 400	400/27°	2+1+40	11:00	10:00	09:00	08:10	60/30/2
Rollei Retro 100 Tonal	100/21°	2+1+50	15:30	14:00	12:40	11:30	60/30/2