

# CROSS REFERENCE FOR DEVELOPING OF FILMS

Develop your Agfa film in Ilford Developer + Develop your Ilford film in Agfa Developer

Demand for *Ilford* and *Agfa* BW Products sometimes exceed supply. This has particularly been the case with Film and Paper Developers, so MADSENS offer you a guide to developing of films in various Liquid Developers. All of these film developers are easy and convenient to use and the developers will keep for 4—6 months, if air is squeezed out of opened bottle. All times and dilutions in these tables should be used as a guide only and may need to be adjusted to suit your methods and requirements

**All times given are average times. Your developing technique or equipment may require time adjustments. Always carry out a test before doing important work. Times are in minutes at 20°C.**



DEVELOPER Dilution	ILFOTEC LC29 1 + 19		ILFOTEC LC29 1 + 29		ILFOSOL S 1 + 9		ILFOSOL S 1 + 14	
	TIME	ISO	TIME	ISO	TIME	ISO	TIME	ISO
<b>AGFA</b>								
APX 100	-	-	12	100	7.5	80	-	-
APX 400	-	-	15	320	12	320	-	-
<b>ILFORD</b>								
PAN F PLUS	4	50	5:30	50	4	50	6	50
FP4 PLUS	8	125	12	125	6:30	125	9:30	125
HP5 PLUS	6:30	400	9	400	7	400	9:30	400
DELTA 100	6	100	7:30	100	6	100	10	100
DELTA 400	7:30	400	11:30	400	9	400	13	400
DELTA 3200**	14:30	3200	-	-	13	3200	-	3200

## Safety Data Sheets

[www.darkroomshop.com.au](http://www.darkroomshop.com.au)

Developing times for all the worlds films + developers. Refer to “All Films”

THE MASSIVE DEV CHART

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### HINTS AND TIPS

- Use Rodinal Special Developer for portraits and people photography.
- In the Summer or in hot weather, you can develop your films at 24°C by developing for only 3/4 of the developing times above. (Developing time multiplied by 0.75)
- Tetenal Mirasol 2000 Antistatic Wetting Agent - *Helps keep dust of negatives. Anti-bacterial and anti-fungal too!*
- It's best to have developing times of at least 5 minutes for consistency.

#### \*Life Span of Liquid Developers

Rodinal Special : 2 yrs bottle life, min. 3 months after opening

Rodinal: Minimum 6 months after opening

Ilfosol S: 4 months after opening

Ilfotec LC 29: 6 months after opening

(\*Tightly stoppered bottles)

### STOP BATH

- Ilford Indicator stop Bath 25mL/ 1 Litre of water. Time: 10-15 seconds.
- Kodak Indicator Stop Bath 16mL/ 1 Litre of water. Time: 30 sec

### FIXERS

- Ilford Hypam Rapid Fixer (Dilution 1+4) fixing time for films 2-3 minutes
- Agfa Agefix (Dilution 1+5), fixing time for films 3-5 minutes.

### WASHING

Films should be washed with running water for 15-20 minutes at 20°C– 25°C .

Improve your washing with the Jobo Cascade Rapid Film Washer.

Archival Washing in 5 minutes.

### WETTING AGENT

- Agepon 5mL/1Litre of Working solution, 1 minute soak
- Tetenal Mirasol 2000 Antistatic Wetting Agent working solution ?? minimum 30 second.

## \*DEVELOPER COSTS

ILFORD FILM DEVELOPERS		inc GST	ex GST	Dilu.	CPF	
1871748	Ilfosol S	250ml	\$9.15	\$8.25	1+9 1+14	\$1.03 69c
1971200	Ilfotec LC29	250ml	\$16.20	\$14.60	1+19 1+29	92c 59c

\* Approximate costs June 2007