

# AGFA RODINAL AND RODINAL SPECIAL PROCESS TIMES

DEVELOPER	RODINAL 1 + 25			RODINAL 1 + 50			RODINAL 1 + 100			RODINAL 1 + 100			RODINAL SPECIAL			
	FILM	TANK	DRUM	ISO	TANK	DRUM	ISO	TANK	ISO	CONT	TANK	ISO	CONT	TANK	DRUM	ISO
<b>AGFA</b>																
APX 25	6	4	20/14	10	9	25/15	15	16/13	0.55	20	20/14	0.60	4	3	25/15	
APX 100	8	7	100/21	17	14	125/22	15	64/19	0.45	20	100/21	0.50	4	3	125/22	
APX 400	7	5	320/26	11	9	320/26	15	200/24	0.50	20	250/25	0.50	4.5	4	400/27	
<b>ILFORD</b>																
PAN F	5	4	50/18	15	13	50/18							3.5	3	64/19	
PAN F PLUS	5	4	50/18	11	9	50/18	15	25/15	0.60	20	25/15	0.60	3	2.7	32/16	
FP4	5	4	125/22	13	11	125/22							5	4	125/22	
FP4 PLUS	5	4	125/22	13	11	125/22	15	64/19	0.45	20	125/22	0.50	4	3.5	160/23	
HP5 PLUS	8	7	320/26	NR	NR		15	100/21	0.45	20	160/24	0.50	4	3.5	320/26	
DELTA 100	5	4	80/20	10	9	80/20	15	64/19	0.62	20	80/20	0.68	3	2.7	64/19	
DELTA 400	8	7	250/25	18	15	250/25	15	125/22	0.50	20	160/24	0.60	8	6.5	320/26	
DELTA 3200**	8	7	3200/36	18	15	3200/36										
SFX	5	4	200/24	9.5	8	200/24										
<b>KODAK</b>																
PANATOMIC X	5	4	64/19	11	9	50/18							3.5	3	64/19	
PLUS X	6	4	125/22	13	11	125/22							5	4	125/22	
TRI X	7	5	500/28	12	10	400/27	15	250/25	0.65	20	400/27	0.65	6	4.5	320/26	
T MAX 100	5.5	4.5	50/18	12	10	64/19	15	64/19	0.62	20	80/20	0.68	5	4	50/18	
T MAX 400	5	4	320/26	10	9	320/26	15	200/24	0.50	20	160/24	0.60	5	4	400/27	
T MAX 3200	8	7	3200/36	16	13	3200/26							6	4.5	3200/26	
RECORDING 2475	4.5	3.5	640/29	10	9	640/29										
TECH PAN							7 - 9									
INFRA RED	5.5															
<b>FUJI</b>																
NEOPAN 100	7	5	100/21	16	14	100/21										
NEOPAN 400	6	4	250/25	11	9	320/26	15	200/24	0.55	20	250/25	0.65	4	3.5	320/26	
NEOPAN 1600	5	4	640/29	8	7	640/29	15	250/25	0.60	20	400/27	0.70	4	3.5	800/30	
<b>KONICA</b>																
KONICAPAN 100	5	4	100/21	13	11	100/21										

**PROCESS NOTES:** All times are in minutes and are at 20 degrees Celsius. The recommended agitation is as follows: in tanks, constant for the first 30 seconds and then 5 secs every 30 seconds. In drums, choose a rotation speed above 30 RPM (changing direction if possible). The average contrast is 0.65 unless otherwise stated. The ISO recommendations should be followed if possible. \*\* The times for Ilford Delta 3200 have not been tested and are a guide only.

The RODINAL 1 + 100 times are only recommended for use in hand tanks. There should be a minimum of 250 ml's of solution for each film in the tank.