







22 °C		06.15	10.45								
24 °C		05.45	09.45								
<b>AMALOCO</b>					AM-74 1+7	AM-74 1+9	AM-74 1+15	AM-74 1+19			
18 °C					05.00	05.30	06.15	09.45			
20 °C					04.00	04.25	05.10	08.00			
21 °C					04.00	04.15	05.00	07.45			
22 °C					03.45	04.00	04.45	07.15			
24 °C					-	03.15	03.45	05.45			
<b>ARS-IMAGO</b>	FD 1+19	FD 1+39	FD 1+59								
18 °C		-	-								
20 °C		04.00	06.30								
21 °C		-	-								
22 °C		-	-								
24 °C		-	-								
<b>BERGGER</b>	BerSpeed pur	BerSpeed 1+1		PMK 1+2+100		BER49 pur	BER49 1+1				
18 °C		13.15									
20 °C		11.00									
21 °C		10.15									
22 °C		09.15									
24 °C		08.00									
<b>CLAYTON</b>	F60 1+9	F60 1+14	F60 1+19	F76 plus 1+9	F76 plus 1+14	F76 plus 1+19					
18 °C	08.00			06.15		08.30					
20 °C	07.00			05.30		07.30					
21 °C	06.45			05.15		07.15					
22 °C	06.15			05.00		06.45					
24 °C	05.45			04.30		06.00					
<b>FOMA</b>		R09 New 1+25	R09 New 1+50	R09 New 1+100		Foma LQN 1+10	Foma LQR 1+10	Universal 1+3	Foma Excel pur	Foma Excel 1+1	Fomadon P pur
18 °C		08.00	13.45						09.15		11.30
20 °C		07.00	12.00						08.00		10.00
21 °C		06.45	11.30						07.45		09.30
22 °C		06.15	10.45						07.15		09.00
24 °C		05.45	09.45						06.30		08.00
<b>FUJI</b>	SuperProdol pur	SuperProdol 1+1	SuperProdol 1+3	Microfine pur	Microfine 1+1	Fujidol pur	Fujidol 1+1				
18 °C	05.30	07.45	14.45	12.30	-	11.00	15.00				
20 °C	04.15	06.30	12.00	10.00	13.00	09.00	12.30				
21 °C	04.00	06.00	11.15	09.30	11.45	08.30	11.30				
22 °C	03.30	05.30	10.00	08.30	10.30	07.30	10.30				
24 °C	-	04.30	08.15	07.00	08.45	06.00	08.45				
<b>ILFORD</b>	ID-11 pur	ID-11 1+1	ID-11 1+3	Microphen pur	Microphen 1+1	Microphen 1+3	Perceptol pur	Perceptol 1+1	Perceptol 1+3	Ilfotec LC29 1+9	Ilfotec LC29 1+19
18 °C	08.00	12.30					15.30				05.15
20 °C	06.45	10.00					12.30				04.30
21 °C	06.30	09.15					11.15				04.15
22 °C	05.45	08.15					10.00				04.00



Fuji Acros-100 à EI 200/24°											
<b>ADOX</b>	Silvermax 1+17	Silvermax 1+19	Silvermax 1+24	Silvermax 1+29	Silvermax 1+30	Silvermax 1+100	FX-39 1+5	FX-39 1+9	FX-39 1+14	FX-39 1+19	
18 °C								08.10			
20 °C								06.30			
21 °C								05.45			
22 °C								04.50			
24 °C								03.50			
<b>AMALOCO</b>					AM-74 1+7	AM-74 1+9	AM-74 1+15	AM-74 1+19			
18 °C					08.00	08.45	10.15	15.45			
20 °C					06.30	07.10	08.30	13.00			
21 °C					06.15	07.00	08.15	12.30			
22 °C					06.00	06.30	07.45	11.45			
24 °C					04.45	05.15	06.00	09.15			
<b>FUJI</b>	SuperProdol pur	SuperProdol 1+1	SuperProdol 1+3	Microfine pur	Microfine 1+1	Fujidol pur	Fujidol 1+1				
18 °C						20.45					
20 °C						17.00					
21 °C						15.30					
22 °C						14.00					
24 °C						11.00					
<b>KODAK</b>	D-76 pur	D-76 1+1	D-76 1+3	TMAX-dev 1+4	TMAX-dev 1+7	TMAX-dev 1+9	Microdol-X	Microdol-X 1+1	Microdol-X 1+3	HC-110 (A) 1+15	HC-110 (B) 1+31
18 °C	12.00			09.30							
20 °C	10.00			08.00							
21 °C	09.30			07.30							
22 °C	08.30			06.30							
24 °C	07.00			05.30							
<b>PATERSON</b>	Acutol 1+9	Acutol 1+10	Aculux3 1+5	Aculux3 1+9	FX-39 1+5	FX-39 1+9	FX-39 1+14	FX-39 1+19			
18 °C						08.10					
20 °C						06.30					
21 °C						05.45					
22 °C						04.50					
24 °C						03.50					

# Fuji Neopan-400 - 18 à 24 °C

Fuji Neopan-400 à EI 160/23°											
<b>ADOX</b>	Adotech II 1+14	Adonal 1+25	Adonal 1+50	Adonal 1+100	Adotech III 1+9	Adotech III 1+11	ADX-II 1+17	ADX-II 1+24	Atomal 49 pur	Atomal 49 1+1	Atomal 49 1+2
18 °C									09.45		
20 °C									08.30		
21 °C									08.00		
22 °C									07.30		
24 °C									07.00		
<b>AGFA</b>	Refinal	Rodinal 1+25	Rodinal 1+50	Rodinal 1+100	R09 special 1+15	R09 special 1+31	Studional 1+15	Studional 1+31	Atomal pur	Atomal 1+1	Atomal 1+2
18 °C									09.45		
20 °C									08.30		
21 °C									08.00		
22 °C									07.30		
24 °C									07.00		



Fuji Neopan-400 à EI 250/25°											
<b>ADOX</b>	Adotech II 1+14	Adonal 1+25	Adonal 1+50	Adonal 1+100	Adotech III 1+9	Adotech III 1+11	ADX-II 1+17	ADX-II 1+24	Atomal 49 pur	Atomal 49 1+1	Atomal 49 1+2
18 °C		05.15	09.15								
20 °C		04.30	08.00								
21 °C		04.15	07.45								
22 °C		04.00	07.15								
24 °C		03.45	06.30								
<b>AGFA</b>	Refinal	Rodinal 1+25	Rodinal 1+50	Rodinal 1+100	R09 special 1+15	R09 special 1+31	Studional 1+15	Studional 1+31	Atomal pur	Atomal 1+1	Atomal 1+2
18 °C		05.15	09.15								
20 °C		04.30	08.00								
21 °C		04.15	07.45								
22 °C		04.00	07.15								
24 °C		03.45	06.30								
<b>FOMA</b>		R09 New 1+25	R09 New 1+50	R09 New 1+100		Foma LQN 1+10	Foma LQR 1+10	Universal 1+3	Foma Excel pur	Foma Excel 1+1	Fomadon P pur
18 °C		05.15	09.15								
20 °C		04.30	08.00								
21 °C		04.15	07.45								
22 °C		04.00	07.15								
24 °C		03.45	06.30								
<b>ILFORD</b>	ID-11 pur	ID-11 1+1	ID-11 1+3	Microphen pur	Microphen 1+1	Microphen 1+3	Perceptol pur	Perceptol 1+1	Perceptol 1+3	Ilfotec LC29 1+9	Ilfotec LC29 1+19
18 °C	08.00										
20 °C	06.30										
21 °C	06.00										
22 °C	05.30										
24 °C	04.15										
<b>KODAK</b>	D-76 pur	D-76 1+1	D-76 1+3	TMAX-dev 1+4	TMAX-dev 1+7	TMAX-dev 1+9	Microdol-X	Microdol-X 1+1	Microdol-X 1+3	HC-110 (A) 1+15	HC-110 (B) 1+31
18 °C	08.00										
20 °C	06.30										
21 °C	06.00										
22 °C	05.30										
24 °C	04.15										
<b>MOERSCH</b>	Finol 1+1+50	Finol 1+1+75	Finol 1+1+100	Tanol 1+1+100	Tanol Speed 1+1+100						
18 °C				19.30							
20 °C				16.00							
21 °C				14.45							
22 °C				13.15							
24 °C				10.45							

**Fuji Neopan-400 à EI 320/26°**

AGFA	Refinal	Rodinal 1+25	Rodinal 1+50	Rodinal 1+100	R09 special 1+15	R09 special 1+31	Studional 1+15	Studional 1+31	Atomal pur	Atomal 1+1	Atomal 1+2
18 °C	04.00				03.30		03.30				
20 °C	03.30				03.00		03.00				
21 °C	03.30				-		-				
22 °C	03.15				-		-				
24 °C	-				-		-				
MOERSCH	Finol 1+1+50	Finol 1+1+75	Finol 1+1+100	Tanol 1+1+100	Tanol Speed 1+1+100						
18 °C			24.00								
20 °C			20.00								
21 °C			18.30								
22 °C			17.00								
24 °C			13.30								

**Fuji Neopan-400 à EI 400/27°**

ADOX	Silvermax 1+17	Silvermax 1+19	Silvermax 1+24	Silvermax 1+29	Silvermax 1+30	Silvermax 1+100	FX-39 1+5	FX-39 1+9	FX-39 1+14	FX-39 1+19	
18 °C								12.30			
20 °C								10.00			
21 °C								09.00			
22 °C								08.00			
24 °C								06.00			
AMALOCO					AM-74 1+7	AM-74 1+9	AM-74 1+15	AM-74 1+19			
18 °C					07.15	08.00	09.30	14.30			
20 °C					06.00	06.35	07.50	12.00			
21 °C					05.45	06.15	07.30	11.30			
22 °C					05.30	06.00	07.15	11.00			
24 °C					04.15	04.45	05.30	08.30			
BKA	Acufine	Ethol UFG	Ethol UFG 1+5	Ethol TEC 1+15	ACU-1 1+5	ACU-1 1+10					
18 °C	03.45				-						
20 °C	03.15				-						
21 °C	-				05.45						
22 °C	-				-						
24 °C	-				-						
CLAYTON	F60 1+9	F60 1+14	F60 1+19	F76 plus 1+9	F76 plus 1+14	F76 plus 1+19					
18 °C	06.15			06.15							
20 °C	06.00			06.00							
21 °C	06.00			06.00							
22 °C	05.45			05.45							
24 °C	05.30			05.30							
FOMA		R09 New 1+25	R09 New 1+50	R09 New 1+100		Foma LQN 1+10	Foma LQR 1+10	Universal 1+3	Foma Excel pur	Foma Excel 1+1	Fomadon P pur
18 °C						10.15			08.00	11.30	10.15
20 °C						09.00			07.00	10.00	09.00
21 °C						08.30			06.45	09.30	08.30

22 °C						08.00			06.15	09.00	08.00
24 °C						07.15			05.45	08.00	07.15
<b>FUJI</b>	SuperProdol pur	SuperProdol 1+1	SuperProdol 1+3	Microfine pur	Microfine 1+1	Fujidol pur	Fujidol 1+1				
18 °C	05.00	08.30	14.45			08.30					
20 °C	04.15	07.00	12.00			07.00					
21 °C	04.00	06.30	11.15			06.30					
22 °C	03.30	05.45	10.00			05.45					
24 °C	03.00	04.45	08.15			04.45					
<b>ILFORD</b>	ID-11 pur	ID-11 1+1	ID-11 1+3	Microphen pur	Microphen 1+1	Microphen 1+3	Perceptol pur	Perceptol 1+1	Perceptol 1+3	Ilfotec LC29 1+9	Ilfotec LC29 1+19
18 °C	08.00	10.45	17.00	05.00	07.45	10.15	11.30	16.00	22.45	04.45	07.00
20 °C	07.30	09.30	15.00	04.15	06.45	09.00	10.00	14.00	20.00	04.00	06.00
21 °C	07.00	09.15	14.15	04.00	06.30	08.30	09.30	13.15	19.00	03.45	05.45
22 °C	06.15	08.30	13.15	03.30	06.00	08.00	09.00	12.30	17.45	03.45	05.30
24 °C	05.30	07.30	12.00	03.00	05.30	07.15	08.00	11.15	16.00	03.15	05.00
(suite)	Ilfotec LC29 1+29	Ilfotec DDX 1+4	Ilfotec HC 1+15	Ilfotec HC 1+31	Ilfosol-S 1+9	Ilfosol-S 1+14	Ilfosol-3 1+9	Ilfosol-3 1+14			
18 °C	09.15	08.00					07.30	11.00			
20 °C	08.00	07.00					06.30	09.30			
21 °C	07.45	06.45					06.15	09.00			
22 °C	07.15	06.15					05.45	08.15			
24 °C	06.30	05.45					05.00	07.00			
<b>KODAK</b>	D-76 pur	D-76 1+1	D-76 1+3	TMAX-dev 1+4	TMAX-dev 1+7	TMAX-dev 1+9	Microdol-X	Microdol-X 1+1	Microdol-X 1+3	HC-110 (A) 1+15	HC-110 (B) 1+31
18 °C	09.15	10.45		07.00			11.15				06.00
20 °C	07.30	09.30		06.00			10.00				05.00
21 °C	07.00	09.15		05.45			09.30				04.45
22 °C	06.15	08.30		05.00			09.00				04.15
24 °C	05.00	07.30		04.30			08.00				03.30
(suite)	XTOL	XTOL 1+1	XTOL 1+2	XTOL 1+3	DK-50 1+1	D-19	D-96				
18 °C	07.30										
20 °C	06.15										
21 °C	05.45										
22 °C	05.15										
24 °C	04.15										
<b>PATERSON</b>	Acutol 1+9	Acutol 1+10	Aculux3 1+5	Aculux3 1+9	FX-39 1+5	FX-39 1+9	FX-39 1+14	FX-39 1+19			
18 °C				18.45		12.30					
20 °C				15.00		10.00					
21 °C				13.30		09.00					
22 °C				12.00		08.00					
24 °C				09.00		06.00					
<b>ROLLEI</b>	RHS 1+7	RHS 1+9	RHS 1+15	RLS 1+4	RPX-D 1+5	RPX-D 1+11	Supergrain 1+9	Supergrain 1+12	Supergrain 1+15		
18 °C							07.00	08.30	09.45		
20 °C							06.00	07.30	08.30		
21 °C							05.45	07.15	08.00		
22 °C							05.30	06.45	07.30		

24 °C								05.00	06.00	07.00		
<b>SPURSINN</b>	SAM classic 1+5	SAM classic 1+7	SAM classic 1+9									
18 °C	08.45	11.15	14.30									
20 °C	07.00	09.00	11.45									
21 °C	06.30	08.00	10.30									
22 °C	05.45	07.15	09.30									
24 °C	05.00	06.15	08.15									

<b>TETENAL</b>	Ultrafin liquid 1+10	Ultrafin liquid 1+20	Ultrafin SF	Ultrafin SF 1+1	Ultrafin plus 1+4	Ultrafin plus 1+6	Ultrafin T-plus 1+4	Emofin		Neofin Blau 1+16		
18 °C							09.45					
20 °C							08.00					
21 °C							07.30					
22 °C							07.00					
24 °C							06.00					

(suite)	Paranol S 1+25	Paranol S 1+50										
18 °C	09.45	26.30										
20 °C	08.00	22.00										
21 °C	07.30	20.15										
22 °C	07.00	18.45										
24 °C	06.00	16.30										

**Fuji Neopan-400 à EI 500/28°**

<b>BKA</b>	Acufine	Ethol UFG	Ethol UFG 1+5	Ethol TEC 1+15	ACU-1 1+5	ACU-1 1+10						
18 °C				-								
20 °C				-								
21 °C				14.00								
22 °C				-								
24 °C				-								

**Fuji Neopan-400 à EI 640/29°**

<b>BKA</b>	Acufine	Ethol UFG	Ethol UFG 1+5	Ethol TEC 1+15	ACU-1 1+5	ACU-1 1+10						
18 °C		-										
20 °C		-										
21 °C		05.00										
22 °C		-										
24 °C		-										

**Fuji Neopan-400 à EI 800/30°**

<b>AMALOCO</b>					AM-74 1+7	AM-74 1+9	AM-74 1+15	AM-74 1+19				
18 °C					08.15	09.00	10.30	16.15				
20 °C					06.45	07.25	08.45	13.30				
21 °C					06.30	07.15	08.30	13.00				
22 °C					06.15	06.45	08.00	12.15				
24 °C					04.45	05.15	06.15	09.30				

<b>BKA</b>	Acufine	Ethol UFG	Ethol UFG 1+5	Ethol TEC 1+15	ACU-1 1+5	ACU-1 1+10						
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22 °C	10.30										
24 °C	08.45										
<b>SPURSINN</b>	SAM classic 1+5	SAM classic 1+7	SAM classic 1+9								
18 °C	14.45	19.30									
20 °C	12.00	15.45									
21 °C	10.45	14.15									
22 °C	09.45	13.00									
24 °C	08.15	11.00									

## Fuji Neopan-1600 - 18 à 24 °C

*NOTE : La plupart des temps proviennent de la notice du film. Fuji donne curieusement des temps différents pour l'ID-11 d'Ilford et le D-76 de Kodak.*

Fuji Neopan-1600 à EI 250/25°											
<b>ADOX</b>	Adotech II 1+14	Adonal 1+25	Adonal 1+50	Adonal 1+100	Adotech III 1+9	Adotech III 1+11	ADX-II 1+17	ADX-II 1+24	Atomal 49 pur	Atomal 49 1+1	Atomal 49 1+2
18 °C									08.30		
20 °C									07.30		
21 °C									07.15		
22 °C									06.45		
24 °C									06.00		
<b>AGFA</b>	Refinal	Rodinal 1+25	Rodinal 1+50	Rodinal 1+100	R09 special 1+15	R09 special 1+31	Studional 1+15	Studional 1+31	Atomal pur	Atomal 1+1	Atomal 1+2
18 °C									08.30		
20 °C									07.30		
21 °C									07.15		
22 °C									06.45		
24 °C									06.00		

**Fuji Neopan-1600 à EI 400/27°**

<b>ADOX</b>	Adotech II 1+14	Adonal 1+25	Adonal 1+50	Adonal 1+100	Adotech III 1+9	Adotech III 1+11	ADX-II 1+17	ADX-II 1+24	Atomal 49 pur	Atomal 49 1+1	Atomal 49 1+2
18 °C		04.30	09.15								
20 °C		03.50	08.00								
21 °C		03.45	07.45								
22 °C		03.30	07.15								
24 °C		03.15	06.30								
<b>AGFA</b>	Refinal	Rodinal 1+25	Rodinal 1+50	Rodinal 1+100	R09 special 1+15	R09 special 1+31	Studional 1+15	Studional 1+31	Atomal pur	Atomal 1+1	Atomal 1+2
18 °C		04.30	09.15								
20 °C		03.50	08.00								
21 °C		03.45	07.45								
22 °C		03.30	07.15								
24 °C		03.15	06.30								
<b>FOMA</b>		R09 New 1+25	R09 New 1+50	R09 New 1+100		Foma LQN 1+10	Foma LQR 1+10	Universal 1+3	Foma Excel pur	Foma Excel 1+1	Fomadon P pur
18 °C		04.30	09.15								
20 °C		03.50	08.00								
21 °C		03.45	07.45								
22 °C		03.30	07.15								
24 °C		03.15	06.30								

**Fuji Neopan-1600 à EI 800/30°**

<b>AGFA</b>	Refinal	Rodinal 1+25	Rodinal 1+50	Rodinal 1+100	R09 special 1+15	R09 special 1+31	Studional 1+15	Studional 1+31	Atomal pur	Atomal 1+1	Atomal 1+2
18 °C					03.30		03.30				
20 °C					03.00		03.00				
21 °C					-		-				
22 °C					-		-				
24 °C					-		-				
<b>FUJI</b>	SuperProdol pur	SuperProdol 1+1	SuperProdol 1+3	Microfine pur	Microfine 1+1	Fujidol pur	Fujidol 1+1				
18 °C				10.00							
20 °C				08.00							
21 °C				07.30							
22 °C				06.30							
24 °C				05.00							
<b>ILFORD</b>	ID-11 pur	ID-11 1+1	ID-11 1+3	Microphen pur	Microphen 1+1	Microphen 1+3	Perceptol pur	Perceptol 1+1	Perceptol 1+3	Ilfotec LC29 1+9	Ilfotec LC29 1+19
18 °C	05.15										
20 °C	04.30										
21 °C	04.15										
22 °C	04.00										
24 °C	03.15										
(suite)	Ilfotec LC29 1+29	Ilfotec DDX 1+4	Ilfotec HC 1+15	Ilfotec HC 1+31	Ilfotel-S 1+9	Ilfotel-S 1+14	Ilfotel-3 1+9	Ilfotel-3 1+14			
18 °C		05.15		05.30			05.45	08.00			
20 °C		04.30		04.45			05.00	07.00			
21 °C		04.15		04.30			04.45	06.45			

22 °C		04.00		04.15			04.30	06.15			
24 °C		03.45		04.00			04.00	05.30			
<b>KODAK</b>	D-76 pur	D-76 1+1	D-76 1+3	TMAX-dev 1+4	TMAX-dev 1+7	TMAX-dev 1+9	Microdol-X	Microdol-X 1+1	Microdol-X 1+3	HC-110 (A) 1+15	HC-110 (B) 1+31
18 °C	06.00	08.15	13.00				10.00				05.30
20 °C	05.00	07.00	11.30				08.15				04.45
21 °C	04.45	06.30	11.00				07.45				04.30
22 °C	04.15	06.15	10.15				07.00				04.15
24 °C	03.30	05.00	09.15				05.30				03.30
(suite)	XTOL	XTOL 1+1	XTOL 1+2	XTOL 1+3	DK-50 1+1	D-19	D-96				
18 °C		07.45									
20 °C		06.45									
21 °C		06.30									
22 °C		06.00									
24 °C		05.30									
<b>ROLLEI</b>	RHS 1+7	RHS 1+9	RHS 1+15	RLS 1+4	RPX-D 1+5	RPX-D 1+11	Supergrain 1+9	Supergrain 1+12	Supergrain 1+15		
18 °C				-							
20 °C				-							
21 °C				-							
22 °C				-							
24 °C				16.00							



Fuji Neopan-1600 à EI 3200/36°											
<b>FUJI</b>	SuperProdol pur	SuperProdol 1+1	SuperProdol 1+3	Microfine pur	Microfine 1+1	Fujidol pur	Fujidol 1+1				
18 °C	10.00										
20 °C	08.00										
21 °C	07.30										
22 °C	06.30										
24 °C	05.00										
<b>ILFORD</b>	ID-11 pur	ID-11 1+1	ID-11 1+3	Microphen pur	Microphen 1+1	Microphen 1+3	Perceptol pur	Perceptol 1+1	Perceptol 1+3	Ilfotec LC29 1+9	Ilfotec LC29 1+19
18 °C				07.00							
20 °C				05.45							
21 °C				05.30							
22 °C				05.00							
24 °C				04.00							
<b>KODAK</b>	D-76 pur	D-76 1+1	D-76 1+3	TMAX-dev 1+4	TMAX-dev 1+7	TMAX-dev 1+9	Microdol-X	Microdol-X 1+1	Microdol-X 1+3	HC-110 (A) 1+15	HC-110 (B) 1+31
18 °C	18.00			11.30							
20 °C	15.00			10.00							
21 °C	14.00			09.30							
22 °C	12.30			09.00							
24 °C	10.00			07.30							
(suite)	XTOL	XTOL 1+1	XTOL 1+2	XTOL 1+3	DK-50 1+1	D-19	D-96				
18 °C	13.30										
20 °C	11.00										
21 °C	10.00										
22 °C	09.15										
24 °C	07.15										

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 Les marques utilisées dans cette page sont des marques déposées appartenant à leurs fabricants respectifs  
 Tables mises à jour le 26 décembre 2024

LÉGENDE :

noir : temps 20° C donnés par les fabricants

bleu : temps "pirate-photo.fr"

vert : temps autres températures que 20° C modifiés par coefficient

or : temps autres températures que 20° C donnés par les fabricants