

## Ilford PAN-F - 21 °C

### Ilford PAN-F à EI 12/12°

NOTE : En cas de sur-exposition.

|          |                    |                    |
|----------|--------------------|--------------------|
| ILFORD   | ID-11<br>pur       | Ilfotec DDX<br>1+4 |
| 21 °C    | 03.45              | 05.45              |
| ROLLEI   | RLS<br>1+4         |                    |
| 21 °C    | cf 24 °C           |                    |
| SPUR     | Acurol-N<br>1+70   |                    |
| 21 °C    | 10.30              |                    |
| SPURSINN | SAM classic<br>1+9 |                    |
| 21 °C    | 05.30              |                    |

### Ilford PAN-F à EI 25/15°

|          |                    |                      |              |                  |                   |                  |                    |
|----------|--------------------|----------------------|--------------|------------------|-------------------|------------------|--------------------|
| ADOX     | ADX-II<br>1+24     |                      |              |                  |                   |                  |                    |
| 21 °C    | 04.45              |                      |              |                  |                   |                  |                    |
| ILFORD   | ID-11<br>pur       | ID-11<br>1+1         | ID-11<br>1+3 | Perceptol<br>pur | Perceptol<br>1+1  | Perceptol<br>1+3 | Ilfotec DDX<br>1+4 |
| 21 °C    | 04.15              | 05.45                | 11.45        | 08.30            | 10.00             | 14.15            | 06.45              |
| KODAK    | D-76<br>pur        | D-76<br>1+1          | D-76<br>1+3  | Microdol-X       | Microdol-X<br>1+3 | XTOL             |                    |
| 21 °C    | 04.15              | 05.45                | 11.45        | 11.30            | 14.15             | 05.15            |                    |
| SPUR     | Acurol-N<br>1+100  | UFP<br>1+40          |              |                  |                   |                  |                    |
| 21 °C    | 19.00              | 07.45<br>(EI 20/14°) |              |                  |                   |                  |                    |
| SPURSINN | SAM classic<br>1+9 |                      |              |                  |                   |                  |                    |
| 21 °C    | 07.00              |                      |              |                  |                   |                  |                    |

### Ilford PAN-F à EI 32/16°

|          |                    |
|----------|--------------------|
| BERGGER  | PMK<br>1+2+100     |
| 21 °C    | 09.00              |
| SPURSINN | SAM classic<br>1+7 |
| 21 °C    | 05.30              |

### Ilford PAN-F à EI 40/17°

|         |                  |                        |
|---------|------------------|------------------------|
| MOERSCH | Finol<br>1+1+100 | Tanol Speed<br>1+1+100 |
| 21 °C   | 11.30            | cf 20 °C               |





Ilford FP4 à EI 80/20°

|          |                    |                    |
|----------|--------------------|--------------------|
| BERGGER  | PMK<br>1+2+100     |                    |
| 21 °C    | 10.00              |                    |
| SPURSINN | SAM classic<br>1+5 | SAM classic<br>1+7 |
| 21 °C    | 08.00              | 10.30              |

Ilford FP4 à EI 100/21°

|          |                    |                    |                    |
|----------|--------------------|--------------------|--------------------|
| BAK      | ACU-1<br>1+10      |                    |                    |
| 21 °C    | 09.00              |                    |                    |
| ILFORD   | Ilfosol-3<br>1+9   | Ilfosol-3<br>1+14  |                    |
| 21 °C    | 03.45              | 06.45              |                    |
| MOERSCH  | Tanol<br>1+1+100   |                    |                    |
| 21 °C    | 15.30              |                    |                    |
| SPUR     | Acurol-N<br>1+100  | UFP<br>1+24        |                    |
| 21 °C    | cf 24 °C           | 06.45              |                    |
| SPURSINN | SAM classic<br>1+5 | SAM classic<br>1+7 | SAM classic<br>1+9 |
| 21 °C    | 08.45              | 11.15              | 13.45              |

**Ilford FP4 à EI 125/22°**

|           |                         |                         |                      |                            |                    |                    |                  |                  |                  |                     |                      |
|-----------|-------------------------|-------------------------|----------------------|----------------------------|--------------------|--------------------|------------------|------------------|------------------|---------------------|----------------------|
| ADOX      | Adonal<br>1+25          | Adonal<br>1+50          | ADX-II<br>1+24       | Silvermax<br>1+24          | FX-39<br>1+9       |                    |                  |                  |                  |                     |                      |
| 21 °C     | 08.30                   | 14.15                   | 06.15                | 07.45                      | 05.00              |                    |                  |                  |                  |                     |                      |
| AGFA      | Refinal                 | Rodinal<br>1+25         | Rodinal<br>1+50      | R09 special<br>1+15        | Studional<br>1+15  |                    |                  |                  |                  |                     |                      |
| 21 °C     | 05.45                   | 08.30                   | 14.15                | 03.30                      | 03.30              |                    |                  |                  |                  |                     |                      |
| AMALOCO   | AM-74<br>1+7            | AM-74<br>1+9            | AM-74<br>1+15        | AM-74<br>1+19              |                    |                    |                  |                  |                  |                     |                      |
| 21 °C     | -                       | 03.15                   | 03.45                | 05.45                      |                    |                    |                  |                  |                  |                     |                      |
| ARS-IMAGO | FD<br>1+39              |                         |                      |                            |                    |                    |                  |                  |                  |                     |                      |
| 21 °C     | cf 20 °C                |                         |                      |                            |                    |                    |                  |                  |                  |                     |                      |
| BAK       | Acufine                 |                         |                      |                            |                    |                    |                  |                  |                  |                     |                      |
| 21 °C     | 03.45                   |                         |                      |                            |                    |                    |                  |                  |                  |                     |                      |
| BERGGER   | BerSpeed<br>1+1         |                         |                      |                            |                    |                    |                  |                  |                  |                     |                      |
| 21 °C     | 09.15                   |                         |                      |                            |                    |                    |                  |                  |                  |                     |                      |
| CLAYTON   | F60<br>1+9              | F76 plus<br>1+9         |                      |                            |                    |                    |                  |                  |                  |                     |                      |
| 21 °C     | 05.30                   | 05.30                   |                      |                            |                    |                    |                  |                  |                  |                     |                      |
| FOMA      | R09 New<br>1+25         | R09 New<br>1+50         | Foma LQN<br>1+10     | Fomadon P<br>pur           | Fomadon P<br>1+1   |                    |                  |                  |                  |                     |                      |
| 21 °C     | 08.30                   | 14.15                   | 08.30                | 09.30                      | 12.15              |                    |                  |                  |                  |                     |                      |
| ILFORD    | ID-11<br>pur            | ID-11<br>1+1            | ID-11<br>1+3         | Microphen<br>pur           | Microphen<br>1+1   | Microphen<br>1+3   | Perceptol<br>pur | Perceptol<br>1+1 | Perceptol<br>1+3 | Ilfotec LC29<br>1+9 | Ilfotec LC29<br>1+19 |
| 21 °C     | 08.00                   | 10.30                   | 19.00                | 07.45                      | 09.30              | 13.15              | 11.30            | 14.15            | 19.45            | 03.45               | 07.45                |
| (suite)   | Ilfotec LC29<br>1+29    | Ilfotec DDX<br>1+4      | Ilfotec HC<br>1+15   | Ilfotec HC<br>1+31         | Ilfosol-S<br>1+9   | Ilfosol-S<br>1+14  |                  |                  |                  |                     |                      |
| 21 °C     | 11.30                   | 09.30                   | 03.45                | 07.45                      | 06.15              | 09.00              |                  |                  |                  |                     |                      |
| KODAK     | D-76<br>pur             | D-76<br>1+1             | D-76<br>1+3          | TMAX-dev<br>1+4            | HC-110<br>(A) 1+15 | HC-110<br>(B) 1+31 | XTOL             | D-19             |                  |                     |                      |
| 21 °C     | 07.45                   | 10.30                   | 15.15                | 07.45                      | 04.15              | 08.30              | 08.00            | 04.15            |                  |                     |                      |
| MOERSCH   | Finol<br>1+1+100        | Tanol Speed<br>1+1+100  |                      |                            |                    |                    |                  |                  |                  |                     |                      |
| 21 °C     | 15.15                   | 13.00                   |                      |                            |                    |                    |                  |                  |                  |                     |                      |
| PATERSON  | Acutol<br>1+10          | Aculux3<br>1+9          | FX-39<br>1+9         |                            |                    |                    |                  |                  |                  |                     |                      |
| 21 °C     | 08.30                   | 06.45                   | 05.00                |                            |                    |                    |                  |                  |                  |                     |                      |
| ROLLEI    | Supergrain<br>1+9       | Supergrain<br>1+12      | Supergrain<br>1+15   |                            |                    |                    |                  |                  |                  |                     |                      |
| 21 °C     | 05.45                   | 06.15                   | 06.45                |                            |                    |                    |                  |                  |                  |                     |                      |
| SPURSINN  | SAM classic<br>1+5      | SAM classic<br>1+7      |                      |                            |                    |                    |                  |                  |                  |                     |                      |
| 21 °C     | 09.15                   | 11.45                   |                      |                            |                    |                    |                  |                  |                  |                     |                      |
| TETENAL   | Ultrafin liquid<br>1+10 | Ultrafin liquid<br>1+20 | Ultrafin plus<br>1+4 | Ultrafin T-plu<br>s<br>1+4 | Paranol S<br>1+25  | Paranol S<br>1+50  |                  |                  |                  |                     |                      |
| 21 °C     | 06.30                   | 10.15                   | 05.45                | 08.30                      | 10.15              | 27.45              |                  |                  |                  |                     |                      |

## Ilford FP4 à EI 200/24°

|                 |                         |                         |                      |                    |                    |                     |                      |                    |                    |                    |                  |  |
|-----------------|-------------------------|-------------------------|----------------------|--------------------|--------------------|---------------------|----------------------|--------------------|--------------------|--------------------|------------------|--|
| <b>ADOX</b>     | Adonal<br>1+25          | Adonal<br>1+50          |                      |                    |                    |                     |                      |                    |                    |                    |                  |  |
| 21 °C           | 12.15                   | 19.00                   |                      |                    |                    |                     |                      |                    |                    |                    |                  |  |
| <b>AGFA</b>     | Refinal                 | Rodinal<br>1+25         | Rodinal<br>1+50      |                    |                    |                     |                      |                    |                    |                    |                  |  |
| 21 °C           | 08.30                   | 12.15                   | 19.00                |                    |                    |                     |                      |                    |                    |                    |                  |  |
| <b>AMALOCO</b>  | AM-74<br>1+7            | AM-74<br>1+9            | AM-74<br>1+15        | AM-74<br>1+19      |                    |                     |                      |                    |                    |                    |                  |  |
| 21 °C           | 04.00                   | 04.15                   | 05.00                | 07.45              |                    |                     |                      |                    |                    |                    |                  |  |
| <b>BJA</b>      | Acufine                 | Ethol UFG               | Ethol TEC<br>1+15    |                    |                    |                     |                      |                    |                    |                    |                  |  |
| 21 °C           | 05.45                   | 05.30                   | 14.00                |                    |                    |                     |                      |                    |                    |                    |                  |  |
| <b>CLAYTON</b>  | F60<br>1+19             | F76 plus<br>1+19        |                      |                    |                    |                     |                      |                    |                    |                    |                  |  |
| 21 °C           | cf 24 °C                | cf 24 °C                |                      |                    |                    |                     |                      |                    |                    |                    |                  |  |
| <b>FOMA</b>     | R09 New<br>1+25         | R09 New<br>1+50         |                      |                    |                    |                     |                      |                    |                    |                    |                  |  |
| 21 °C           | 12.15                   | 19.00                   |                      |                    |                    |                     |                      |                    |                    |                    |                  |  |
| <b>ILFORD</b>   | ID-11<br>pur            | ID-11<br>1+1            | Microphen<br>pur     | Microphen<br>1+1   | Microphen<br>1+3   | Ilfotec LC29<br>1+9 | Ilfotec LC29<br>1+19 | Ilfotec DDX<br>1+4 | Ilfotec HC<br>1+15 | Ilfotec HC<br>1+31 | Ilfosol-S<br>1+9 |  |
| 21 °C           | 09.30                   | 14.15                   | 08.30                | 13.15              | 17.00              | 04.45               | 08.30                | 11.30              | 04.45              | 08.30              | 07.15            |  |
| <b>KODAK</b>    | D-76<br>pur             | D-76<br>1+1             | TMAX-dev<br>1+4      | HC-110<br>(A) 1+15 | HC-110<br>(B) 1+31 | XTOL                |                      |                    |                    |                    |                  |  |
| 21 °C           | 08.30                   | 14.15                   | 08.30                | 05.45              | 11.30              | 09.30               |                      |                    |                    |                    |                  |  |
| <b>PATERSON</b> | Acutol<br>1+10          |                         |                      |                    |                    |                     |                      |                    |                    |                    |                  |  |
| 21 °C           | 11.30                   |                         |                      |                    |                    |                     |                      |                    |                    |                    |                  |  |
| <b>SPURSINN</b> | SAM classic<br>1+5      | SAM classic<br>1+7      |                      |                    |                    |                     |                      |                    |                    |                    |                  |  |
| 21 °C           | 10.30                   | 13.45                   |                      |                    |                    |                     |                      |                    |                    |                    |                  |  |
| <b>TETENAL</b>  | Ultrafin liquid<br>1+10 | Ultrafin liquid<br>1+20 | Ultrafin plus<br>1+4 |                    |                    |                     |                      |                    |                    |                    |                  |  |
| 21 °C           | 08.30                   | 13.00                   | 08.30                |                    |                    |                     |                      |                    |                    |                    |                  |  |

## Ilford FP4 à EI 250/25°

|                  |            |  |
|------------------|------------|--|
| <b>ARS-IMAGO</b> | FD<br>1+39 |  |
| 21 °C            | cf 20 °C   |  |

## Ilford FP4 à EI 400/27°

NOTE : En cas de sous-exposition ; proposé mais déconseillé par Ilford.

|                  |                  |              |               |               |
|------------------|------------------|--------------|---------------|---------------|
| <b>AMALOCO</b>   | AM-74<br>1+7     | AM-74<br>1+9 | AM-74<br>1+15 | AM-74<br>1+19 |
| 21 °C            | 04.45            | 05.15        | 06.15         | 09.30         |
| <b>ARS-IMAGO</b> | FD<br>1+39       |              |               |               |
| 21 °C            | cf 20 °C         |              |               |               |
| <b>ILFORD</b>    | Microphen<br>pur |              |               |               |
| 21 °C            | 15.15            |              |               |               |
| <b>KODAK</b>     | D-19             |              |               |               |
| 21 °C            | 06.15            |              |               |               |

## Iford HP5 - 21 °C

*NOTE : Dans sa notice du film HP5 plus, Iford donne certains temps différents entre l'ID-11 et le D-76.*

### Iford HP5 à EI 100/21°

*NOTE : En cas de sur-exposition ; déconseillé par Iford, proposé comme dépannage ou secours.*

|                 |                    |                    |
|-----------------|--------------------|--------------------|
| <b>ILFORD</b>   | Perceptol<br>pur   |                    |
| <b>21 °C</b>    | <b>08.30</b>       |                    |
| <b>SPURSINN</b> | SAM classic<br>1+7 | SAM classic<br>1+9 |
| <b>21 °C</b>    | <b>05.45</b>       | <b>06.45</b>       |

### Iford HP5 à EI 200/24°

*NOTE : En cas de sur-exposition ; déconseillé par Iford, proposé comme dépannage ou secours.*

|                  |                    |                    |                    |
|------------------|--------------------|--------------------|--------------------|
| <b>ARS-IMAGO</b> | FD<br>1+39         |                    |                    |
| <b>21 °C</b>     | <b>cf 20 °C</b>    |                    |                    |
| <b>BERGGER</b>   | PMK<br>1+2+100     |                    |                    |
| <b>21 °C</b>     | <b>13.00</b>       |                    |                    |
| <b>ILFORD</b>    | Perceptol<br>pur   |                    |                    |
| <b>21 °C</b>     | <b>10.30</b>       |                    |                    |
| <b>MOERSCH</b>   | Tanol<br>1+1+100   |                    |                    |
| <b>21 °C</b>     | <b>15.00</b>       |                    |                    |
| <b>ROLLEI</b>    | RLS<br>1+4         |                    |                    |
| <b>21 °C</b>     | <b>cf 24 °C</b>    |                    |                    |
| <b>SPUR</b>      | Acurol-N<br>1+50   | Acurol-N<br>1+100  |                    |
| <b>21 °C</b>     | <b>11.30</b>       | <b>cf 24 °C</b>    |                    |
| <b>SPURSINN</b>  | SAM classic<br>1+5 | SAM classic<br>1+7 | SAM classic<br>1+9 |
| <b>21 °C</b>     | <b>05.15</b>       | <b>06.45</b>       | <b>08.00</b>       |

### Iford HP5 à EI 250/25°

|                |                  |                        |
|----------------|------------------|------------------------|
| <b>ILFORD</b>  | Perceptol<br>pur |                        |
| <b>21 °C</b>   | <b>12.15</b>     |                        |
| <b>MOERSCH</b> | Finol<br>1+1+75  | Tanol Speed<br>1+1+100 |
| <b>21 °C</b>   | <b>13.00</b>     | <b>14.15</b>           |

### Iford HP5 à EI 320/26°

|               |                  |                  |
|---------------|------------------|------------------|
| <b>ILFORD</b> | Perceptol<br>1+1 | Perceptol<br>1+3 |
| <b>21 °C</b>  | <b>17.00</b>     | <b>23.30</b>     |



## Ilford HP5 à EI 640/29°

|       |                   |
|-------|-------------------|
| ADOX  | Silvermax<br>1+19 |
| 21 °C | 09.30             |
| BAK   | Ethol TEC<br>1+15 |
| 21 °C | 14.15             |

## Ilford HP5 à EI 800/30°

|           |                         |                      |                   |                    |                     |                      |                    |                    |                    |                  |                   |
|-----------|-------------------------|----------------------|-------------------|--------------------|---------------------|----------------------|--------------------|--------------------|--------------------|------------------|-------------------|
| ADOX      | Adonal<br>1+25          |                      |                   |                    |                     |                      |                    |                    |                    |                  |                   |
| 21 °C     | 07.45                   |                      |                   |                    |                     |                      |                    |                    |                    |                  |                   |
| AGFA      | Refinal                 | Rodinal<br>1+25      |                   |                    |                     |                      |                    |                    |                    |                  |                   |
| 21 °C     | 08.00                   | 07.45                |                   |                    |                     |                      |                    |                    |                    |                  |                   |
| AMALOCO   | AM-74<br>1+7            | AM-74<br>1+9         | AM-74<br>1+15     | AM-74<br>1+19      |                     |                      |                    |                    |                    |                  |                   |
| 21 °C     | 06.45                   | 07.30                | 08.45             | 13.30              |                     |                      |                    |                    |                    |                  |                   |
| ARS-IMAGO | FD<br>1+39              |                      |                   |                    |                     |                      |                    |                    |                    |                  |                   |
| 21 °C     | cf 20 °C                |                      |                   |                    |                     |                      |                    |                    |                    |                  |                   |
| BAKA      | Acufine                 | Ethol UFG            | Ethol TEC<br>1+15 | ACU-1<br>1+10      |                     |                      |                    |                    |                    |                  |                   |
| 21 °C     | 06.15                   | 05.15                | 17.45             | 10.00              |                     |                      |                    |                    |                    |                  |                   |
| BERGGER   | BerSpeed<br>1+1         |                      |                   |                    |                     |                      |                    |                    |                    |                  |                   |
| 21 °C     | 15.45                   |                      |                   |                    |                     |                      |                    |                    |                    |                  |                   |
| CLAYTON   | F60<br>1+9              | F76 plus<br>1+19     |                   |                    |                     |                      |                    |                    |                    |                  |                   |
| 21 °C     | cf 24 °C                | cf 24 °C             |                   |                    |                     |                      |                    |                    |                    |                  |                   |
| FOMA      | R09 New<br>1+25         |                      |                   |                    |                     |                      |                    |                    |                    |                  |                   |
| 21 °C     | 07.45                   |                      |                   |                    |                     |                      |                    |                    |                    |                  |                   |
| ILFORD    | ID-11<br>pur            | ID-11<br>1+1         | Microphen<br>pur  | Microphen<br>1+1   | Ilfotec LC29<br>1+9 | Ilfotec LC29<br>1+19 | Ilfotec DDX<br>1+4 | Ilfotec HC<br>1+15 | Ilfotec HC<br>1+31 | Ilfosol-S<br>1+9 | Ilfosol-S<br>1+14 |
| 21 °C     | 10.00                   | 15.30                | 07.45             | 14.15              | 04.45               | 09.00                | 09.30              | 04.45              | 09.00              | 08.00            | 13.15             |
| (suite)   | Ilfosol-3<br>1+9        | Ilfosol-3<br>1+14    |                   |                    |                     |                      |                    |                    |                    |                  |                   |
| 21 °C     | 12.45                   | 18.30                |                   |                    |                     |                      |                    |                    |                    |                  |                   |
| KODAK     | D-76<br>pur             | D-76<br>1+1          | TMAX-dev<br>1+4   | HC-110<br>(A) 1+15 | HC-110<br>(B) 1+31  | XTOL                 | XTOL<br>1+1        |                    |                    |                  |                   |
| 21 °C     | 09.00                   | 14.45                | 07.45             | 03.45              | 07.15               | 10.30                | 16.00              |                    |                    |                  |                   |
| SPURSINN  | SAM classic<br>1+5      | SAM classic<br>1+7   |                   |                    |                     |                      |                    |                    |                    |                  |                   |
| 21 °C     | 08.00                   | 10.30                |                   |                    |                     |                      |                    |                    |                    |                  |                   |
| TETENAL   | Ultrafin liquid<br>1+10 | Ultrafin plus<br>1+4 |                   |                    |                     |                      |                    |                    |                    |                  |                   |
| 21 °C     | 09.15                   | 09.15                |                   |                    |                     |                      |                    |                    |                    |                  |                   |

## Ilford HP5 à EI 1600/33°

|           |                      |                  |                     |                      |                    |                    |                    |                  |
|-----------|----------------------|------------------|---------------------|----------------------|--------------------|--------------------|--------------------|------------------|
| ARS-IMAGO | FD<br>1+39           |                  |                     |                      |                    |                    |                    |                  |
| 21 °C     | cf 20 °C             |                  |                     |                      |                    |                    |                    |                  |
|           |                      |                  |                     |                      |                    |                    |                    |                  |
| BKA       | Acufine              |                  |                     |                      |                    |                    |                    |                  |
| 21 °C     | 09.00                |                  |                     |                      |                    |                    |                    |                  |
|           |                      |                  |                     |                      |                    |                    |                    |                  |
| BERGGER   | BerSpeed<br>1+1      |                  |                     |                      |                    |                    |                    |                  |
| 21 °C     | 20.30                |                  |                     |                      |                    |                    |                    |                  |
|           |                      |                  |                     |                      |                    |                    |                    |                  |
| ILFORD    | ID-11<br>pur         | Microphen<br>pur | Ilfotec LC29<br>1+9 | Ilfotec LC29<br>1+19 | Ilfotec DDX<br>1+4 | Ilfotec HC<br>1+15 | Ilfotec HC<br>1+31 | Ilfosol-S<br>1+9 |
| 21 °C     | 13.15                | 10.30            | 07.15               | 13.15                | 12.15              | 07.15              | 13.15              | 13.15            |
|           |                      |                  |                     |                      |                    |                    |                    |                  |
| KODAK     | D-76<br>pur          | TMAX-dev<br>1+4  | HC-110<br>(A) 1+15  | HC-110<br>(B) 1+31   | XTOL               |                    |                    |                  |
| 21 °C     | 11.45                | 09.00            | 05.15               | 10.30                | 13.15              |                    |                    |                  |
|           |                      |                  |                     |                      |                    |                    |                    |                  |
| SPURSINN  | SAM classic<br>1+5   |                  |                     |                      |                    |                    |                    |                  |
| 21 °C     | 11.30                |                  |                     |                      |                    |                    |                    |                  |
|           |                      |                  |                     |                      |                    |                    |                    |                  |
| TETENAL   | Ultrafin plus<br>1+4 |                  |                     |                      |                    |                    |                    |                  |
| 21 °C     | 12.00                |                  |                     |                      |                    |                    |                    |                  |

## Ilford HP5 à EI 3200/36°

|          |                    |                     |                    |                    |
|----------|--------------------|---------------------|--------------------|--------------------|
| ILFORD   | Microphen<br>pur   | Ilfotec LC29<br>1+9 | Ilfotec DDX<br>1+4 | Ilfotec HC<br>1+15 |
| 21 °C    | 15.15              | 10.30               | 19.00              | 10.30              |
| KODAK    | TMAX-dev<br>1+4    | HC-110<br>(A) 1+15  | XTOL               |                    |
| 21 °C    | 11.00              | 09.00               | 18.00              |                    |
| SPURSINN | SAM classic<br>1+5 |                     |                    |                    |
| 21 °C    | 15.15              |                     |                    |                    |

**Ilford Pan-100 - 21 °C**

## Ilford Pan-100 à EI 50/18°

[illegible]

## Ilford Pan-100 à EI 100/21°

|          |                         |                         |                      |                   |                    |                    |                     |                      |                      |                    |                    |
|----------|-------------------------|-------------------------|----------------------|-------------------|--------------------|--------------------|---------------------|----------------------|----------------------|--------------------|--------------------|
| ADOX     | Adonal<br>1+25          | Adonal<br>1+50          |                      |                   |                    |                    |                     |                      |                      |                    |                    |
| 21 °C    | 08.30                   | 14.15                   |                      |                   |                    |                    |                     |                      |                      |                    |                    |
| AGFA     | Refinal                 | Rodinal<br>1+25         | Rodinal<br>1+50      |                   |                    |                    |                     |                      |                      |                    |                    |
| 21 °C    | 05.45                   | 08.30                   | 14.15                |                   |                    |                    |                     |                      |                      |                    |                    |
| BAK      | Acufine                 |                         |                      |                   |                    |                    |                     |                      |                      |                    |                    |
| 21 °C    | 03.45                   |                         |                      |                   |                    |                    |                     |                      |                      |                    |                    |
| FOMA     | R09 New<br>1+25         | R09 New<br>1+50         | Foma LQN<br>1+10     | Fomadon P<br>pur  |                    |                    |                     |                      |                      |                    |                    |
| 21 °C    | 08.30                   | 14.15                   | 09.30                | 12.15             |                    |                    |                     |                      |                      |                    |                    |
| ILFORD   | ID-11<br>pur            | ID-11<br>1+1            | ID-11<br>1+3         | Microphen<br>pur  | Microphen<br>1+1   | Microphen<br>1+3   | Ilfotec LC29<br>1+9 | Ilfotec LC29<br>1+19 | Ilfotec LC29<br>1+29 | Ilfotec DDX<br>1+4 | Ilfotec HC<br>1+15 |
| 21 °C    | 06.45                   | 09.30                   | 15.15                | 06.45             | 08.30              | 11.30              | 03.45               | 07.45                | 11.30                | 08.30              | 03.45              |
| (suite)  | Ilfotec HC<br>1+31      | Ilfosol-S<br>1+9        | Ilfosol-S<br>1+14    |                   |                    |                    |                     |                      |                      |                    |                    |
| 21 °C    | 07.45                   | 05.45                   | 08.30                |                   |                    |                    |                     |                      |                      |                    |                    |
| KODAK    | D-76<br>pur             | D-76<br>1+1             | D-76<br>1+3          | TMAX-dev<br>1+4   | HC-110<br>(A) 1+15 | HC-110<br>(B) 1+31 |                     |                      |                      |                    |                    |
| 21 °C    | 06.45                   | 09.30                   | 15.15                | 07.45             | 03.45              | 07.45              |                     |                      |                      |                    |                    |
| PATERSON | Acutol<br>1+10          |                         |                      |                   |                    |                    |                     |                      |                      |                    |                    |
| 21 °C    | 08.30                   |                         |                      |                   |                    |                    |                     |                      |                      |                    |                    |
| TETENAL  | Ultrafin liquid<br>1+10 | Ultrafin liquid<br>1+20 | Ultrafin plus<br>1+4 | Paranol S<br>1+25 | Paranol S<br>1+50  |                    |                     |                      |                      |                    |                    |
| 21 °C    | 06.30                   | 10.15                   | 05.45                | 11.15             | 25.45              |                    |                     |                      |                      |                    |                    |

## Ilford Pan-100 à EI 200/24°

|          |                         |                         |                      |                    |                    |                     |                      |                    |                    |                    |                   |
|----------|-------------------------|-------------------------|----------------------|--------------------|--------------------|---------------------|----------------------|--------------------|--------------------|--------------------|-------------------|
| ADOX     | Adonal<br>1+25          | Adonal<br>1+50          |                      |                    |                    |                     |                      |                    |                    |                    |                   |
| 21 °C    | 12.15                   | 19.00                   |                      |                    |                    |                     |                      |                    |                    |                    |                   |
| AGFA     | Refinal                 | Rodinal<br>1+25         | Rodinal<br>1+50      |                    |                    |                     |                      |                    |                    |                    |                   |
| 21 °C    | 08.30                   | 12.15                   | 19.00                |                    |                    |                     |                      |                    |                    |                    |                   |
| BAK      | Acufine                 |                         |                      |                    |                    |                     |                      |                    |                    |                    |                   |
| 21 °C    | 05.45                   |                         |                      |                    |                    |                     |                      |                    |                    |                    |                   |
| FOMA     | R09 New<br>1+25         | R09 New<br>1+50         |                      |                    |                    |                     |                      |                    |                    |                    |                   |
| 21 °C    | 12.15                   | 19.00                   |                      |                    |                    |                     |                      |                    |                    |                    |                   |
| ILFORD   | ID-11<br>pur            | ID-11<br>1+1            | Microphen<br>pur     | Microphen<br>1+1   | Microphen<br>1+3   | Ilfotec LC29<br>1+9 | Ilfotec LC29<br>1+19 | Ilfotec DDX<br>1+4 | Ilfotec HC<br>1+15 | Ilfotec HC<br>1+31 | Ilfosol-S<br>1+14 |
| 21 °C    | 08.30                   | 14.15                   | 07.45                | 11.30              | 15.15              | 04.45               | 08.30                | 10.30              | 04.45              | 08.30              | 06.45             |
| KODAK    | D-76<br>pur             | D-76<br>1+1             | TMAX-dev<br>1+4      | HC-110<br>(A) 1+15 | HC-110<br>(B) 1+31 |                     |                      |                    |                    |                    |                   |
| 21 °C    | 08.30                   | 14.15                   | 08.30                | 04.45              | 08.30              |                     |                      |                    |                    |                    |                   |
| PATERSON | Acutol<br>1+10          |                         |                      |                    |                    |                     |                      |                    |                    |                    |                   |
| 21 °C    | 11.30                   |                         |                      |                    |                    |                     |                      |                    |                    |                    |                   |
| TETENAL  | Ultrafin liquid<br>1+10 | Ultrafin liquid<br>1+20 | Ultrafin plus<br>1+4 |                    |                    |                     |                      |                    |                    |                    |                   |
| 21 °C    | 08.30                   | 13.00                   | 08.30                |                    |                    |                     |                      |                    |                    |                    |                   |

## Ilford Pan-400 à EI 200/24°

|          |                         |                         |                 |                  |                  |                  |                      |                      |                    |                    |                  |
|----------|-------------------------|-------------------------|-----------------|------------------|------------------|------------------|----------------------|----------------------|--------------------|--------------------|------------------|
| ADOX     | Adonal<br>1+25          | Adonal<br>1+50          |                 |                  |                  |                  |                      |                      |                    |                    |                  |
| 21 °C    | 04.45                   | 08.30                   |                 |                  |                  |                  |                      |                      |                    |                    |                  |
|          |                         |                         |                 |                  |                  |                  |                      |                      |                    |                    |                  |
| AGFA     | Refinal                 | Rodinal<br>1+25         | Rodinal<br>1+50 |                  |                  |                  |                      |                      |                    |                    |                  |
| 21 °C    | 04.45                   | 04.45                   | 08.30           |                  |                  |                  |                      |                      |                    |                    |                  |
| BKA      | Acufine                 |                         |                 |                  |                  |                  |                      |                      |                    |                    |                  |
| 21 °C    | 03.45                   |                         |                 |                  |                  |                  |                      |                      |                    |                    |                  |
|          |                         |                         |                 |                  |                  |                  |                      |                      |                    |                    |                  |
| FOMA     | R09 New<br>1+25         | R09 New<br>1+50         |                 |                  |                  |                  |                      |                      |                    |                    |                  |
| 21 °C    | 04.45                   | 08.30                   |                 |                  |                  |                  |                      |                      |                    |                    |                  |
|          |                         |                         |                 |                  |                  |                  |                      |                      |                    |                    |                  |
| ILFORD   | ID-11<br>pur            | ID-11<br>1+1            | ID-11<br>1+3    | Perceptol<br>pur | Perceptol<br>1+1 | Perceptol<br>1+3 | Ilfotec LC29<br>1+19 | Ilfotec LC29<br>1+29 | Ilfotec DDX<br>1+4 | Ilfotec HC<br>1+31 | Ilfosol-S<br>1+9 |
| 21 °C    | 05.45                   | 11.30                   | 17.00           | 09.30            | 13.15            | 20.45            | 04.45                | 06.45                | 06.45              | 04.45              | 05.45            |
| (suite)  | Ilfosol-S<br>1+14       |                         |                 |                  |                  |                  |                      |                      |                    |                    |                  |
| 21 °C    | 07.45                   |                         |                 |                  |                  |                  |                      |                      |                    |                    |                  |
|          |                         |                         |                 |                  |                  |                  |                      |                      |                    |                    |                  |
| KODAK    | D-76<br>pur             | D-76<br>1+1             | D-76<br>1+3     | TMAX-dev<br>1+4  |                  |                  |                      |                      |                    |                    |                  |
| 21 °C    | 05.45                   | 11.30                   | 17.00           | 04.45            |                  |                  |                      |                      |                    |                    |                  |
|          |                         |                         |                 |                  |                  |                  |                      |                      |                    |                    |                  |
| PATERSON | Acutol<br>1+10          |                         |                 |                  |                  |                  |                      |                      |                    |                    |                  |
| 21 °C    | 05.45                   |                         |                 |                  |                  |                  |                      |                      |                    |                    |                  |
|          |                         |                         |                 |                  |                  |                  |                      |                      |                    |                    |                  |
| TETENAL  | Ultrafin liquid<br>1+10 | Ultrafin liquid<br>1+20 |                 |                  |                  |                  |                      |                      |                    |                    |                  |
| 21 °C    | 05.45                   | 12.00                   |                 |                  |                  |                  |                      |                      |                    |                    |                  |

## Ilford Pan-400 à EI 400/27°

|          |                         |                         |                    |                   |                    |                    |                  |                  |                     |                      |                      |
|----------|-------------------------|-------------------------|--------------------|-------------------|--------------------|--------------------|------------------|------------------|---------------------|----------------------|----------------------|
| ADOX     | Adonal<br>1+25          | Adonal<br>1+50          |                    |                   |                    |                    |                  |                  |                     |                      |                      |
| 21 °C    | 05.45                   | 10.30                   |                    |                   |                    |                    |                  |                  |                     |                      |                      |
| AGFA     | Refinal                 | Rodinal<br>1+25         | Rodinal<br>1+50    |                   |                    |                    |                  |                  |                     |                      |                      |
| 21 °C    | 05.45                   | 05.45                   | 10.30              |                   |                    |                    |                  |                  |                     |                      |                      |
| BAK      | Acufine                 |                         |                    |                   |                    |                    |                  |                  |                     |                      |                      |
| 21 °C    | 04.45                   |                         |                    |                   |                    |                    |                  |                  |                     |                      |                      |
| FOMA     | R09 New<br>1+25         | R09 New<br>1+50         | Foma LQN<br>1+10   | Fomadon P<br>pur  |                    |                    |                  |                  |                     |                      |                      |
| 21 °C    | 05.45                   | 10.30                   | 09.30              | 10.00             |                    |                    |                  |                  |                     |                      |                      |
| ILFORD   | ID-11<br>pur            | ID-11<br>1+1            | ID-11<br>1+3       | Microphen<br>pur  | Microphen<br>1+1   | Microphen<br>1+3   | Perceptol<br>pur | Perceptol<br>1+1 | Ilfotec LC29<br>1+9 | Ilfotec LC29<br>1+19 | Ilfotec LC29<br>1+29 |
| 21 °C    | 06.45                   | 12.15                   | 19.00              | 05.45             | 11.30              | 21.45              | 10.30            | 15.15            | -                   | 05.45                | 08.30                |
| (suite)  | Ilfotec DDX<br>1+4      | Ilfotec HC<br>1+15      | Ilfotec HC<br>1+31 | Ilfosol-S<br>1+9  | Ilfosol-S<br>1+14  |                    |                  |                  |                     |                      |                      |
| 21 °C    | 07.45                   | -                       | 05.45              | 06.45             | 08.30              |                    |                  |                  |                     |                      |                      |
| KODAK    | D-76<br>pur             | D-76<br>1+1             | D-76<br>1+3        | TMAX-dev<br>1+4   | HC-110<br>(A) 1+15 | HC-110<br>(B) 1+31 | XTOL             | XTOL<br>1+1      |                     |                      |                      |
| 21 °C    | 06.45                   | 12.15                   | 19.00              | 05.45             | -                  | 05.45              | 07.15            | 11.30            |                     |                      |                      |
| PATERSON | Acutol<br>1+10          |                         |                    |                   |                    |                    |                  |                  |                     |                      |                      |
| 21 °C    | 06.45                   |                         |                    |                   |                    |                    |                  |                  |                     |                      |                      |
| TETENAL  | Ultrafin liquid<br>1+10 | Ultrafin liquid<br>1+20 | Paranol S<br>1+25  | Paranol S<br>1+50 |                    |                    |                  |                  |                     |                      |                      |
| 21 °C    | 06.30                   | 14.45                   | 14.00              | 34.15             |                    |                    |                  |                  |                     |                      |                      |

## Ilford Pan-400 à EI 800/30°

|         |                         |                 |                  |                    |                    |                     |                      |                    |                    |                    |                  |
|---------|-------------------------|-----------------|------------------|--------------------|--------------------|---------------------|----------------------|--------------------|--------------------|--------------------|------------------|
| ADOX    | Adonal<br>1+25          |                 |                  |                    |                    |                     |                      |                    |                    |                    |                  |
| 21 °C   | 07.45                   |                 |                  |                    |                    |                     |                      |                    |                    |                    |                  |
| AGFA    | Refinal                 | Rodinal<br>1+25 |                  |                    |                    |                     |                      |                    |                    |                    |                  |
| 21 °C   | 08.30                   | 07.45           |                  |                    |                    |                     |                      |                    |                    |                    |                  |
| BAK     | Acufine                 |                 |                  |                    |                    |                     |                      |                    |                    |                    |                  |
| 21 °C   | 06.45                   |                 |                  |                    |                    |                     |                      |                    |                    |                    |                  |
| FOMA    | R09 New<br>1+25         |                 |                  |                    |                    |                     |                      |                    |                    |                    |                  |
| 21 °C   | 07.45                   |                 |                  |                    |                    |                     |                      |                    |                    |                    |                  |
| ILFORD  | ID-11<br>pur            | ID-11<br>1+1    | Microphen<br>pur | Microphen<br>1+1   | Microphen<br>1+3   | Ilfotec LC29<br>1+9 | Ilfotec LC29<br>1+19 | Ilfotec DDX<br>1+4 | Ilfotec HC<br>1+15 | Ilfotec HC<br>1+31 | Ilfosol-S<br>1+9 |
| 21 °C   | 09.30                   | 15.15           | 06.45            | 12.15              | 22.45              | 04.45               | 08.30                | 08.30              | 04.45              | 08.30              | 07.45            |
| (suite) | Ilfosol-S<br>1+14       |                 |                  |                    |                    |                     |                      |                    |                    |                    |                  |
| 21 °C   | 13.15                   |                 |                  |                    |                    |                     |                      |                    |                    |                    |                  |
| KODAK   | D-76<br>pur             | D-76<br>1+1     | TMAX-dev<br>1+4  | HC-110<br>(A) 1+15 | HC-110<br>(B) 1+31 |                     |                      |                    |                    |                    |                  |
| 21 °C   | 09.30                   | 15.15           | 07.45            | 04.45              | 08.30              |                     |                      |                    |                    |                    |                  |
| TETENAL | Ultrafin liquid<br>1+10 |                 |                  |                    |                    |                     |                      |                    |                    |                    |                  |
| 21 °C   | 09.15                   |                 |                  |                    |                    |                     |                      |                    |                    |                    |                  |

### Ilford Pan-400 à EI 1600/33°

|               |           |               |                  |                   |                 |                 |                 |               |
|---------------|-----------|---------------|------------------|-------------------|-----------------|-----------------|-----------------|---------------|
| <b>BAK</b>    | Acufine   |               |                  |                   |                 |                 |                 |               |
| 21 °C         | 08.30     |               |                  |                   |                 |                 |                 |               |
| <b>ILFORD</b> | ID-11 pur | Microphen pur | Ilfotec LC29 1+9 | Ilfotec LC29 1+19 | Ilfotec DDX 1+4 | Ilfotec HC 1+15 | Ilfotec HC 1+31 | Ilfosol-S 1+9 |
| 21 °C         | 13.15     | 11.30         | 06.45            | 13.15             | 11.30           | 06.45           | 13.15           | 13.15         |
| <b>KODAK</b>  | D-76 pur  | TMAX-dev 1+4  | HC-110 (A) 1+15  | HC-110 (B) 1+31   |                 |                 |                 |               |
| 21 °C         | 13.15     | 08.30         | 06.45            | 13.15             |                 |                 |                 |               |

### Ilford Pan-400 à EI 3200/36°

|               |               |                  |                 |                 |
|---------------|---------------|------------------|-----------------|-----------------|
| <b>ILFORD</b> | Microphen pur | Ilfotec LC29 1+9 | Ilfotec DDX 1+4 | Ilfotec HC 1+15 |
| 21 °C         | 15.15         | 10.30            | 17.00           | 10.30           |

## Ilford Delta-100 - 21 °C

**NOTE :** Les temps sont curieusement donnés différents pour l>ID-11 et le D-76 dans la notice du film Delta 100 par Ilford. Suggestion : utiliser pour les deux révélateurs le temps de l>ID-11 ?

### Ilford Delta-100 à EI 25/15°

**NOTE :** En cas de sur-exposition ; proposé mais déconseillé par Ilford.

|               |               |
|---------------|---------------|
| <b>ILFORD</b> | Perceptol pur |
| 21 °C         | 08.30         |



Ilford Delta-100 à EI 80/20°

|         |                        |             |
|---------|------------------------|-------------|
| MOERSCH | Tanol Speed<br>1+1+100 |             |
| 21 °C   | 09.45                  |             |
| SPUR    | HRX<br>1+20            | UFP<br>1+30 |
| 21 °C   | 08.15                  | 07.45       |

Ilford Delta-100 à EI 100/21°

|           |                         |                         |                    |                      |                            |                   |                    |                  |                  |                      |                      |  |
|-----------|-------------------------|-------------------------|--------------------|----------------------|----------------------------|-------------------|--------------------|------------------|------------------|----------------------|----------------------|--|
| ADOX      | Adonal<br>1+25          | Adonal<br>1+50          | ADX-II<br>1+24     | Silvermax<br>1+30    | FX-39<br>1+9               |                   |                    |                  |                  |                      |                      |  |
| 21 °C     | 08.30                   | 13.15                   | 06.15              | 07.45                | 06.15                      |                   |                    |                  |                  |                      |                      |  |
| AGFA      | Refinal                 | Rodinal<br>1+25         | Rodinal<br>1+50    | R09 special<br>1+15  | Studional<br>1+15          |                   |                    |                  |                  |                      |                      |  |
| 21 °C     | 05.15                   | 08.30                   | 13.15              | 05.45                | 05.45                      |                   |                    |                  |                  |                      |                      |  |
| AMALOCO   | AM-74<br>1+7            | AM-74<br>1+9            | AM-74<br>1+15      | AM-74<br>1+19        |                            |                   |                    |                  |                  |                      |                      |  |
| 21 °C     | 04.00                   | 04.15                   | 05.00              | 07.45                |                            |                   |                    |                  |                  |                      |                      |  |
| ARS-IMAGO | FD<br>1+59              |                         |                    |                      |                            |                   |                    |                  |                  |                      |                      |  |
| 21 °C     | cf 20 °C                |                         |                    |                      |                            |                   |                    |                  |                  |                      |                      |  |
| BAK       | Ethol UFG               | Ethol TEC<br>1+15       | ACU-1<br>1+10      |                      |                            |                   |                    |                  |                  |                      |                      |  |
| 21 °C     | 05.30                   | 15.00                   | 08.00              |                      |                            |                   |                    |                  |                  |                      |                      |  |
| BERGGER   | BerSpeed<br>1+1         |                         |                    |                      |                            |                   |                    |                  |                  |                      |                      |  |
| 21 °C     | 09.15                   |                         |                    |                      |                            |                   |                    |                  |                  |                      |                      |  |
| CLAYTON   | F60<br>1+9              | F76 plus<br>1+9         | F76 plus<br>1+14   |                      |                            |                   |                    |                  |                  |                      |                      |  |
| 21 °C     | 06.45                   | 06.15                   | 09.00              |                      |                            |                   |                    |                  |                  |                      |                      |  |
| FOMA      | R09 New<br>1+25         | R09 New<br>1+50         | Foma Excel<br>pur  | Foma Excel<br>1+1    | Fomadon P<br>pur           | Fomadon P<br>1+1  |                    |                  |                  |                      |                      |  |
| 21 °C     | 08.30                   | 13.15                   | 07.45              | 10.00                | 09.00                      | 11.45             |                    |                  |                  |                      |                      |  |
| ILFORD    | ID-11<br>pur            | ID-11<br>1+1            | ID-11<br>1+3       | Microphen<br>pur     | Microphen<br>1+1           | Microphen<br>1+3  | Perceptol<br>pur   | Perceptol<br>1+1 | Perceptol<br>1+3 | Ilfotec LC29<br>1+19 | Ilfotec LC29<br>1+29 |  |
| 21 °C     | 08.00                   | 10.30                   | 19.00              | 06.15                | 09.30                      | 13.15             | 14.15              | 16.00            | 20.45            | 05.45                | 07.15                |  |
| (suite)   | Ilfotec DDX<br>1+4      | Ilfotec HC<br>1+31      | Ilfosol-S<br>1+9   | Ilfosol-S<br>1+14    | Ilfosol-3<br>1+9           | Ilfosol-3<br>1+14 |                    |                  |                  |                      |                      |  |
| 21 °C     | 11.30                   | 05.45                   | 05.45              | 09.30                | 04.45                      | 07.15             |                    |                  |                  |                      |                      |  |
| KODAK     | D-76<br>pur             | D-76<br>1+1             | D-76<br>1+3        | TMAX-dev<br>1+4      | Microdol-X                 | Microdol-X<br>1+3 | HC-110<br>(B) 1+31 | XTOL             | D-19             |                      |                      |  |
| 21 °C     | 08.30                   | 11.30                   | 20.45              | 06.45                | 14.15                      | 20.45             | 05.45              | 07.15            | 05.15            |                      |                      |  |
| PATERSON  | Acutol<br>1+10          | Aculux3<br>1+9          | FX-39<br>1+9       |                      |                            |                   |                    |                  |                  |                      |                      |  |
| 21 °C     | 15.15                   | 08.15                   | 06.15              |                      |                            |                   |                    |                  |                  |                      |                      |  |
| ROLLEI    | Supergrain<br>1+9       | Supergrain<br>1+12      | Supergrain<br>1+15 |                      |                            |                   |                    |                  |                  |                      |                      |  |
| 21 °C     | 05.45                   | 06.15                   | 06.45              |                      |                            |                   |                    |                  |                  |                      |                      |  |
| SPURSINN  | SAM classic<br>1+7      |                         |                    |                      |                            |                   |                    |                  |                  |                      |                      |  |
| 21 °C     | 05.30                   |                         |                    |                      |                            |                   |                    |                  |                  |                      |                      |  |
| TETENAL   | Ultrafin liquid<br>1+10 | Ultrafin liquid<br>1+20 | Ultrafin SF        | Ultrafin plus<br>1+4 | Ultrafin T-plu<br>s<br>1+4 | Paranol S<br>1+25 | Paranol S<br>1+50  |                  |                  |                      |                      |  |
| 21 °C     | 05.45                   | 08.45                   | 04.45              | 04.45                | 06.15                      | 13.00             | 37.00              |                  |                  |                      |                      |  |

## Ilford Delta-100 à EI 160/23°

|           |            |
|-----------|------------|
| ARS-IMAGO | FD<br>1+59 |
| 21 °C     | cf 20 °C   |

## Ilford Delta-100 à EI 200/24°

|          |                         |                         |                   |                      |                  |                      |                      |                    |                    |
|----------|-------------------------|-------------------------|-------------------|----------------------|------------------|----------------------|----------------------|--------------------|--------------------|
| AGFA     | Refinal                 | R09 special<br>1+15     | Studional<br>1+15 |                      |                  |                      |                      |                    |                    |
| 21 °C    | 06.15                   | 07.45                   | 07.45             |                      |                  |                      |                      |                    |                    |
| AMALOCO  | AM-74<br>1+7            | AM-74<br>1+9            | AM-74<br>1+15     | AM-74<br>1+19        |                  |                      |                      |                    |                    |
| 21 °C    | 05.45                   | 06.15                   | 07.30             | 11.30                |                  |                      |                      |                    |                    |
| BAK      | Acufine                 |                         |                   |                      |                  |                      |                      |                    |                    |
| 21 °C    | 05.15                   |                         |                   |                      |                  |                      |                      |                    |                    |
| ILFORD   | ID-11<br>pur            | ID-11<br>1+1            | Microphen<br>pur  | Microphen<br>1+1     | Microphen<br>1+3 | Ilfotec LC29<br>1+19 | Ilfotec LC29<br>1+29 | Ilfotec DDX<br>1+4 | Ilfotec HC<br>1+31 |
| 21 °C    | 10.00                   | 12.15                   | 07.45             | 13.15                | 19.00            | 07.45                | 09.30                | 13.15              | 07.45              |
| KODAK    | D-76<br>pur             | D-76<br>1+1             | TMAX-dev<br>1+4   | HC-110<br>(B) 1+31   | XTOL             |                      |                      |                    |                    |
| 21 °C    | 10.30                   | 13.15                   | 07.45             | 07.45                | 09.00            |                      |                      |                    |                    |
| SPURSINN | SAM classic<br>1+7      |                         |                   |                      |                  |                      |                      |                    |                    |
| 21 °C    | 07.45                   |                         |                   |                      |                  |                      |                      |                    |                    |
| TETENAL  | Ultrafin liquid<br>1+10 | Ultrafin liquid<br>1+20 | Ultrafin SF       | Ultrafin plus<br>1+4 |                  |                      |                      |                    |                    |
| 21 °C    | 07.30                   | 10.45                   | 06.30             | 06.30                |                  |                      |                      |                    |                    |

## Ilford Delta-100 à EI 400/27°

NOTE : En cas de sous-exposition ; proposé mais déconseillé par Ilford.

|        |                  |
|--------|------------------|
| ILFORD | Microphen<br>pur |
| 21 °C  | 09.30            |

# Ilford Delta-400 - 21 °C

NOTE : Une fourchette d'exposition située entre EI 250/25 et EI 500/28 est conseillée.

## Ilford Delta-400 à EI 100/21°

NOTE : En cas de sur-exposition ; proposé mais déconseillé par Ilford.

|          |                    |                    |
|----------|--------------------|--------------------|
| ILFORD   | Perceptol<br>pur   |                    |
| 21 °C    | 07.45              |                    |
| SPURSINN | SAM classic<br>1+7 | SAM classic<br>1+9 |
| 21 °C    | 06.45              | 08.45              |



Ilford Delta-400 à EI 320/26°

|         |                  |                    |                    |  |
|---------|------------------|--------------------|--------------------|--|
| BERGGER | PMK<br>1+2+100   |                    |                    |  |
| 21 °C   | 16.00            |                    |                    |  |
| ILFORD  | Perceptol<br>1+1 | Ilfotec HC<br>1+15 |                    |  |
| 21 °C   | 14.45            | 04.00              |                    |  |
| KODAK   | Microdol-X       | Microdol-X<br>1+1  | HC-110<br>(A) 1+15 |  |
| 21 °C   | 12.45            | 15.30              | cf 20 °C           |  |

| Ilford Delta-400 à EI 400/27° |                 |                 |                   |                      |                 |                |                   |                   |                 |                 |               |
|-------------------------------|-----------------|-----------------|-------------------|----------------------|-----------------|----------------|-------------------|-------------------|-----------------|-----------------|---------------|
| ADOX                          | Adonal 1+25     | Adonal 1+50     | ADX-II 1+24       | Silvermax 1+17       | FX-39 1+9       |                |                   |                   |                 |                 |               |
| 21 °C                         | 08.30           | 19.00           | 09.00             | 10.00                | 09.00           |                |                   |                   |                 |                 |               |
| AGFA                          | Rodinal 1+25    | Rodinal 1+50    |                   |                      |                 |                |                   |                   |                 |                 |               |
| 21 °C                         | 08.30           | 19.00           |                   |                      |                 |                |                   |                   |                 |                 |               |
| AMALOCO                       | AM-74 1+7       | AM-74 1+9       | AM-74 1+15        | AM-74 1+19           |                 |                |                   |                   |                 |                 |               |
| 21 °C                         | 07.15           | 08.00           | 09.15             | 14.15                |                 |                |                   |                   |                 |                 |               |
| ARS-IMAGO                     | FD 1+39         |                 |                   |                      |                 |                |                   |                   |                 |                 |               |
| 21 °C                         | cf 20 °C        |                 |                   |                      |                 |                |                   |                   |                 |                 |               |
| BAK                           | Acufine         |                 |                   |                      |                 |                |                   |                   |                 |                 |               |
| 21 °C                         | 08.15           |                 |                   |                      |                 |                |                   |                   |                 |                 |               |
| BERGGER                       | BerSpeed 1+1    |                 |                   |                      |                 |                |                   |                   |                 |                 |               |
| 21 °C                         | 10.40           |                 |                   |                      |                 |                |                   |                   |                 |                 |               |
| CLAYTON                       | F60 1+9         | F76 plus 1+9    | F76 plus 1+14     |                      |                 |                |                   |                   |                 |                 |               |
| 21 °C                         | 07.15           | 06.45           | 12.45             |                      |                 |                |                   |                   |                 |                 |               |
| FOMA                          | R09 New 1+25    | R09 New 1+50    | Foma Excel pur    | Foma Excel 1+1       | Fomadon P pur   | Fomadon P 1+1  |                   |                   |                 |                 |               |
| 21 °C                         | 08.30           | 19.00           | 06.45             | 09.00                | 09.30           | 13.45          |                   |                   |                 |                 |               |
| ILFORD                        | ID-11 pur       | ID-11 1+1       | ID-11 1+3         | Microphen pur        | Microphen 1+1   | Microphen 1+3  | Ilfotec LC29 1+19 | Ilfotec LC29 1+29 | Ilfotec DDX 1+4 | Ilfotec HC 1+31 | Ilfosol-S 1+9 |
| 21 °C                         | 09.15           | 13.30           | cf 24 °C          | 06.15                | 11.00           | cf 24 °C       | 07.00             | 10.30             | 07.30           | 07.00           | 08.45         |
| (suite)                       | Ilfosol-S 1+14  | Ilfosol-3 1+9   | Ilfosol-3 1+14    |                      |                 |                |                   |                   |                 |                 |               |
| 21 °C                         | 12.45           | 06.45           | 11.15             |                      |                 |                |                   |                   |                 |                 |               |
| KODAK                         | D-76 pur        | D-76 1+1        | D-76 1+3          | TMAX-dev 1+4         | HC-110 (B) 1+31 | XTOL           | XTOL 1+1          |                   |                 |                 |               |
| 21 °C                         | 09.15           | 13.30           | cf 24 °C          | 06.15                | 07.00           | 06.45          | 10.45             |                   |                 |                 |               |
| PATERSON                      | Aculux3 1+9     | FX-39 1+9       |                   |                      |                 |                |                   |                   |                 |                 |               |
| 21 °C                         | 10.00           | 09.00           |                   |                      |                 |                |                   |                   |                 |                 |               |
| ROLLEI                        | Supergrain 1+9  | Supergrain 1+12 | Supergrain 1+15   |                      |                 |                |                   |                   |                 |                 |               |
| 21 °C                         | 05.45           | 06.15           | 06.45             |                      |                 |                |                   |                   |                 |                 |               |
| SPUR                          | UFP 1+20        |                 |                   |                      |                 |                |                   |                   |                 |                 |               |
| 21 °C                         | 09.30           |                 |                   |                      |                 |                |                   |                   |                 |                 |               |
| SPURSINN                      | SAM classic 1+5 | SAM classic 1+7 | SAM classic 1+9   |                      |                 |                |                   |                   |                 |                 |               |
| 21 °C                         | 09.15           | 11.45           | 16.15             |                      |                 |                |                   |                   |                 |                 |               |
| TETENAL                       | Ultrafin SF     | Ultrafin SF 1+1 | Ultrafin plus 1+4 | Ultrafin T-plu s 1+4 | Paranol S 1+25  | Paranol S 1+50 |                   |                   |                 |                 |               |
| 21 °C                         | 09.30           | 17.30           | 07.15             | 07.45                | 11.15           | 37.00          |                   |                   |                 |                 |               |

## Ilford Delta-400 à EI 500/28°

|                |               |                 |                   |                 |
|----------------|---------------|-----------------|-------------------|-----------------|
| <b>BAK</b>     | Acufine       |                 |                   |                 |
| 21 °C          | 10.00         |                 |                   |                 |
| <b>ILFORD</b>  | Microphen pur | Microphen 1+1   | Microphen 1+3     | Ilfotec DDX 1+4 |
| 21 °C          | 07.15         | 13.00           | cf 24 °C          | 09.00           |
| <b>KODAK</b>   | TMAX-dev 1+4  | XTOL            | XTOL 1+1          |                 |
| 21 °C          | 06.45         | 08.00           | 12.15             |                 |
| <b>TETENAL</b> | Ultrafin SF   | Ultrafin SF 1+1 | Ultrafin plus 1+4 |                 |
| 21 °C          | 11.15         | cf 24 °C        | 09.30             |                 |

## Ilford Delta-400 à EI 800/30°

|                  |                 |                 |                   |                 |                   |                   |                 |                 |                 |               |                |
|------------------|-----------------|-----------------|-------------------|-----------------|-------------------|-------------------|-----------------|-----------------|-----------------|---------------|----------------|
| <b>ADOX</b>      | Adonal 1+25     |                 |                   |                 |                   |                   |                 |                 |                 |               |                |
| 21 °C            | cf 24 °C        |                 |                   |                 |                   |                   |                 |                 |                 |               |                |
| <b>AGFA</b>      | Rodinal 1+25    |                 |                   |                 |                   |                   |                 |                 |                 |               |                |
| 21 °C            | cf 24 °C        |                 |                   |                 |                   |                   |                 |                 |                 |               |                |
| <b>AMALOCO</b>   | AM-74 1+7       | AM-74 1+9       | AM-74 1+15        | AM-74 1+19      |                   |                   |                 |                 |                 |               |                |
| 21 °C            | 09.30           | -               | 12.30             | 19.00           |                   |                   |                 |                 |                 |               |                |
| <b>ARS-IMAGO</b> | FD 1+39         |                 |                   |                 |                   |                   |                 |                 |                 |               |                |
| 21 °C            | cf 20 °C        |                 |                   |                 |                   |                   |                 |                 |                 |               |                |
| <b>BAK</b>       | Acufine         |                 |                   |                 |                   |                   |                 |                 |                 |               |                |
| 21 °C            | 12.15           |                 |                   |                 |                   |                   |                 |                 |                 |               |                |
| <b>CLAYTON</b>   | F60 1+9         | F76 plus 1+9    |                   |                 |                   |                   |                 |                 |                 |               |                |
| 21 °C            | 09.30           | 09.00           |                   |                 |                   |                   |                 |                 |                 |               |                |
| <b>FOMA</b>      | R09 New 1+25    |                 |                   |                 |                   |                   |                 |                 |                 |               |                |
| 21 °C            | cf 24 °C        |                 |                   |                 |                   |                   |                 |                 |                 |               |                |
| <b>ILFORD</b>    | ID-11 pur       | ID-11 1+1       | Microphen pur     | Microphen 1+1   | Ilfotec LC29 1+19 | Ilfotec LC29 1+29 | Ilfotec DDX 1+4 | Ilfotec HC 1+15 | Ilfotec HC 1+31 | Ilfosol-S 1+9 | Ilfosol-S 1+14 |
| 21 °C            | 11.00           | 16.45           | 08.00             | 14.45           | 09.30             | 15.30             | 09.45           | 05.15           | 09.30           | 13.30         | cf 24 °C       |
| (suite)          | Ilfosol-3 1+9   | Ilfosol-3 1+14  |                   |                 |                   |                   |                 |                 |                 |               |                |
| 21 °C            | 13.15           | 19.30           |                   |                 |                   |                   |                 |                 |                 |               |                |
| <b>KODAK</b>     | D-76 pur        | D-76 1+1        | TMAX-dev 1+4      | HC-110 (A) 1+15 | HC-110 (B) 1+31   | XTOL              | XTOL 1+1        |                 |                 |               |                |
| 21 °C            | 11.00           | 16.45           | 08.15             | 05.15           | 09.30             | 09.30             | 10.45           |                 |                 |               |                |
| <b>SPURSINN</b>  | SAM classic 1+5 | SAM classic 1+7 |                   |                 |                   |                   |                 |                 |                 |               |                |
| 21 °C            | 12.00           | 15.45           |                   |                 |                   |                   |                 |                 |                 |               |                |
| <b>TETENAL</b>   | Ultrafin SF     | Ultrafin SF 1+1 | Ultrafin plus 1+4 |                 |                   |                   |                 |                 |                 |               |                |
| 21 °C            | 12.30           | cf 24 °C        | 11.15             |                 |                   |                   |                 |                 |                 |               |                |

## Ilford Delta-400 à EI 1600/33°

|          |                    |                      |                  |                    |                      |                      |                    |                    |                    |                  |
|----------|--------------------|----------------------|------------------|--------------------|----------------------|----------------------|--------------------|--------------------|--------------------|------------------|
| BAK      | Acufine            |                      |                  |                    |                      |                      |                    |                    |                    |                  |
| 21 °C    | 14.45              |                      |                  |                    |                      |                      |                    |                    |                    |                  |
| CLAYTON  | F60<br>1+9         | F76 plus<br>1+9      |                  |                    |                      |                      |                    |                    |                    |                  |
| 21 °C    | 13.15              | 12.15                |                  |                    |                      |                      |                    |                    |                    |                  |
| ILFORD   | ID-11<br>pur       | ID-11<br>1+1         | Microphen<br>pur | Microphen<br>1+1   | Ilfotec LC29<br>1+19 | Ilfotec LC29<br>1+29 | Ilfotec DDX<br>1+4 | Ilfotec HC<br>1+15 | Ilfotec HC<br>1+31 | Ilfosol-S<br>1+9 |
| 21 °C    | 14.00              | cf 24 °C             | 09.45            | 18.15              | 12.45                | cf 24 °C             | 12.45              | 07.00              | 12.45              | cf 24 °C         |
| KODAK    | D-76<br>pur        | D-76<br>1+1          | TMAX-dev<br>1+4  | HC-110<br>(A) 1+15 | HC-110<br>(B) 1+31   | XTOL                 | XTOL<br>1+1        |                    |                    |                  |
| 21 °C    | 14.00              | cf 24 °C             | 10.00            | 06.45              | 12.00                | 12.15                | 18.45              |                    |                    |                  |
| SPURSINN | SAM classic<br>1+5 | SAM classic<br>1+7   |                  |                    |                      |                      |                    |                    |                    |                  |
| 21 °C    | 15.15              | 20.00                |                  |                    |                      |                      |                    |                    |                    |                  |
| TETENAL  | Ultrafin SF        | Ultrafin plus<br>1+4 |                  |                    |                      |                      |                    |                    |                    |                  |
| 21 °C    | 15.30              | 15.00                |                  |                    |                      |                      |                    |                    |                    |                  |

## Ilford Delta-400 à EI 3200/36°

|                 |                    |                      |                    |                    |             |
|-----------------|--------------------|----------------------|--------------------|--------------------|-------------|
| <b>BJA</b>      | Acufine            |                      |                    |                    |             |
| 21 °C           | 18.00              |                      |                    |                    |             |
| <b>ILFORD</b>   | ID-11<br>pur       | Microphen<br>pur     | Ilfotec DDX<br>1+4 | Ilfotec HC<br>1+15 |             |
| 21 °C           | 18.15              | 13.15                | 16.45              | 11.45              |             |
| <b>KODAK</b>    | D-76<br>pur        | TMAX-dev<br>1+4      | HC-110<br>(A) 1+15 | XTOL               | XTOL<br>1+1 |
| 21 °C           | 18.15              | 13.00                | 11.45              | 16.00              | cf 24 °C    |
| <b>SPURSINN</b> | SAM classic<br>1+5 | SAM classic<br>1+7   |                    |                    |             |
| 21 °C           | 19.00              | 24.45                |                    |                    |             |
| <b>TETENAL</b>  | Ultrafin SF        | Ultrafin plus<br>1+4 |                    |                    |             |
| 21 °C           | 18.45              | cf 24 °C             |                    |                    |             |

# Ilford Delta-3200 - 21 °C

*NOTE : Ilford recommande dans sa notice l'utilisation des révélateurs Ilfotec DDX et Microphen pour ce film. Chez Kodak, le T-Max-dev est le plus adapté.*  
*Une fourchette d'exposition située entre EI 1600/33 et EI 6400/39 est conseillée.*

Ilford Delta-3200 à EI 400/27°

|          |                    |                    |                    |                     |                   |                   |                 |                 |                  |  |
|----------|--------------------|--------------------|--------------------|---------------------|-------------------|-------------------|-----------------|-----------------|------------------|--|
| ADOX     | Adonal<br>1+25     |                    |                    |                     |                   |                   |                 |                 |                  |  |
| 21 °C    | 05.15              |                    |                    |                     |                   |                   |                 |                 |                  |  |
| AGFA     | Rodinal<br>1+25    |                    |                    |                     |                   |                   |                 |                 |                  |  |
| 21 °C    | 05.15              |                    |                    |                     |                   |                   |                 |                 |                  |  |
| AMALOCO  | AM-74<br>1+7       | AM-74<br>1+9       | AM-74<br>1+15      | AM-74<br>1+19       |                   |                   |                 |                 |                  |  |
| 21 °C    | 05.45              | 06.15              | 07.30              | 11.30               |                   |                   |                 |                 |                  |  |
| FOMA     | R09 New<br>1+25    |                    |                    |                     |                   |                   |                 |                 |                  |  |
| 21 °C    | 05.15              |                    |                    |                     |                   |                   |                 |                 |                  |  |
| ILFORD   | ID-11<br>pur       | Microphen<br>pur   | Perceptol<br>pur   | Ifotec LC29<br>1+19 | Ifotec DDX<br>1+4 | Ifotec HC<br>1+31 | Ifosol-S<br>1+9 | Ifosol-3<br>1+9 | Ifosol-3<br>1+14 |  |
| 21 °C    | 06.45              | 05.45              | 10.45              | 05.45               | 05.45             | 05.45             | 06.15           | 06.00           | 10.00            |  |
| KODAK    | D-76<br>pur        | TMAX-dev<br>1+4    | Microdol-X         | HC-110<br>(B) 1+31  | XTOL              |                   |                 |                 |                  |  |
| 21 °C    | 06.45              | 05.15              | 09.30              | 05.45               | 04.45             |                   |                 |                 |                  |  |
| SPURSINN | SAM classic<br>1+5 | SAM classic<br>1+7 | SAM classic<br>1+9 |                     |                   |                   |                 |                 |                  |  |
| 21 °C    | 07.15              | 09.15              | 12.30              |                     |                   |                   |                 |                 |                  |  |

## Ilford Delta-3200 à EI 800/30°

|                 |                    |                    |                  |                     |                   |                   |                 |                 |                  |
|-----------------|--------------------|--------------------|------------------|---------------------|-------------------|-------------------|-----------------|-----------------|------------------|
| <b>ADOX</b>     | Adonal<br>1+25     | ADX-II<br>1+24     |                  |                     |                   |                   |                 |                 |                  |
| 21 °C           | 06.45              | 15.15              |                  |                     |                   |                   |                 |                 |                  |
| <b>AGFA</b>     | Rodinal<br>1+25    |                    |                  |                     |                   |                   |                 |                 |                  |
| 21 °C           | 06.45              |                    |                  |                     |                   |                   |                 |                 |                  |
| <b>AMALOCO</b>  | AM-74<br>1+7       | AM-74<br>1+9       | AM-74<br>1+15    | AM-74<br>1+19       |                   |                   |                 |                 |                  |
| 21 °C           | 06.45              | 07.30              | 08.45            | 13.30               |                   |                   |                 |                 |                  |
| <b>BERGGER</b>  | BerSpeed<br>1+1    |                    |                  |                     |                   |                   |                 |                 |                  |
| 21 °C           | 12.50              |                    |                  |                     |                   |                   |                 |                 |                  |
| <b>FOMA</b>     | R09 New<br>1+25    |                    |                  |                     |                   |                   |                 |                 |                  |
| 21 °C           | 06.45              |                    |                  |                     |                   |                   |                 |                 |                  |
| <b>ILFORD</b>   | ID-11<br>pur       | Microphen<br>pur   | Perceptol<br>pur | Ifotec LC29<br>1+19 | Ifotec DDX<br>1+4 | Ifotec HC<br>1+31 | Ifosol-S<br>1+9 | Ifosol-3<br>1+9 | Ifosol-3<br>1+14 |
| 21 °C           | 07.45              | 06.30              | 12.30            | 07.15               | 06.30             | 07.15             | 07.45           | 07.30           | 11.45            |
| <b>KODAK</b>    | D-76<br>pur        | TMAX-dev<br>1+4    | Microdol-X       | HC-110<br>(B) 1+31  | XTOL              |                   |                 |                 |                  |
| 21 °C           | 07.45              | 06.15              | 10.45            | 07.15               | 06.00             |                   |                 |                 |                  |
| <b>SPUR</b>     | HRX<br>1+8         | UFP<br>1+15        |                  |                     |                   |                   |                 |                 |                  |
| 21 °C           | 14.15              | 12.15              |                  |                     |                   |                   |                 |                 |                  |
| <b>SPURSINN</b> | SAM classic<br>1+5 | SAM classic<br>1+7 |                  |                     |                   |                   |                 |                 |                  |
| 21 °C           | 09.00              | 11.30              |                  |                     |                   |                   |                 |                 |                  |

## Ilford Delta-3200 à EI 1000/31°

|             |            |
|-------------|------------|
| <b>SPUR</b> | NHC<br>1+9 |
| 21 °C       | 10.30      |

## Ilford Delta-3200 à EI 1600/33°

|          |                    |                    |                  |                    |                     |                      |                    |                    |                    |                  |                  |
|----------|--------------------|--------------------|------------------|--------------------|---------------------|----------------------|--------------------|--------------------|--------------------|------------------|------------------|
| ADOX     | Adonal<br>1+25     | FX-39<br>1+5       |                  |                    |                     |                      |                    |                    |                    |                  |                  |
| 21 °C    | 08.15              | 08.15              |                  |                    |                     |                      |                    |                    |                    |                  |                  |
| AGFA     | Rodinal<br>1+25    |                    |                  |                    |                     |                      |                    |                    |                    |                  |                  |
| 21 °C    | 08.15              |                    |                  |                    |                     |                      |                    |                    |                    |                  |                  |
| AMALOCO  | AM-74<br>1+7       | AM-74<br>1+9       | AM-74<br>1+15    | AM-74<br>1+19      |                     |                      |                    |                    |                    |                  |                  |
| 21 °C    | 09.15              | 10.00              | 11.45            | 18.15              |                     |                      |                    |                    |                    |                  |                  |
| BERGGER  | BerSpeed<br>1+1    |                    |                  |                    |                     |                      |                    |                    |                    |                  |                  |
| 21 °C    | 14.45              |                    |                  |                    |                     |                      |                    |                    |                    |                  |                  |
| FOMA     | R09 New<br>1+25    |                    |                  |                    |                     |                      |                    |                    |                    |                  |                  |
| 21 °C    | 08.15              |                    |                  |                    |                     |                      |                    |                    |                    |                  |                  |
| ILFORD   | ID-11<br>pur       | Microphen<br>pur   | Microphen<br>1+1 | Perceptol<br>pur   | Ilfotec LC29<br>1+9 | Ilfotec LC29<br>1+19 | Ilfotec DDX<br>1+4 | Ilfotec HC<br>1+15 | Ilfotec HC<br>1+31 | Ilfosol-S<br>1+9 | Ilfosol-3<br>1+9 |
| 21 °C    | 09.15              | 07.45              | 12.45            | 14.15              | 04.45               | 08.30                | 07.45              | 04.45              | 08.30              | 10.00            | 09.30            |
| (suite)  | Ilfosol-3<br>1+14  |                    |                  |                    |                     |                      |                    |                    |                    |                  |                  |
| 21 °C    | 14.30              |                    |                  |                    |                     |                      |                    |                    |                    |                  |                  |
| KODAK    | D-76<br>pur        | TMAX-dev<br>1+4    | Microdol-X       | HC-110<br>(A) 1+15 | HC-110<br>(B) 1+31  | XTOL                 |                    |                    |                    |                  |                  |
| 21 °C    | 09.15              | 07.30              | 12.00            | 04.45              | 08.30               | 06.30                |                    |                    |                    |                  |                  |
| PATERSON | FX-39<br>1+5       |                    |                  |                    |                     |                      |                    |                    |                    |                  |                  |
| 21 °C    | 08.15              |                    |                  |                    |                     |                      |                    |                    |                    |                  |                  |
| ROLLEI   | RLS<br>1+4         |                    |                  |                    |                     |                      |                    |                    |                    |                  |                  |
| 21 °C    | cf 24 °C           |                    |                  |                    |                     |                      |                    |                    |                    |                  |                  |
| SPURSINN | SAM classic<br>1+5 | SAM classic<br>1+7 |                  |                    |                     |                      |                    |                    |                    |                  |                  |
| 21 °C    | 11.30              | 15.15              |                  |                    |                     |                      |                    |                    |                    |                  |                  |

**ISO :** l'indice d'exposition donné par Ilford pour le film Delta-3200 correspond une plage d'exposition pour laquelle le film a été optimisé. Sa sensibilité nominale est de ISO 1000.

|               |                            |                    |                    |                     |                      |                    |                    |                    |                  |                  |                   |
|---------------|----------------------------|--------------------|--------------------|---------------------|----------------------|--------------------|--------------------|--------------------|------------------|------------------|-------------------|
| ADOX          | Adonal<br>1+25             | FX-39<br>1+5       |                    |                     |                      |                    |                    |                    |                  |                  |                   |
| 21 °C         | 10.15                      | 10.00              |                    |                     |                      |                    |                    |                    |                  |                  |                   |
| AGFA          | Rodinal<br>1+25            |                    |                    |                     |                      |                    |                    |                    |                  |                  |                   |
| 21 °C         | 10.15                      |                    |                    |                     |                      |                    |                    |                    |                  |                  |                   |
| AMALOCO       | AM-74<br>1+7               | AM-74<br>1+9       | AM-74<br>1+15      | AM-74<br>1+19       |                      |                    |                    |                    |                  |                  |                   |
| 21 °C         | 10.00                      | 11.00              | 13.00              | 20.00               |                      |                    |                    |                    |                  |                  |                   |
| ARS-<br>IMAGO | FD<br>1+19                 |                    |                    |                     |                      |                    |                    |                    |                  |                  |                   |
| 21 °C         | cf 20 °C                   |                    |                    |                     |                      |                    |                    |                    |                  |                  |                   |
| BERGGER       | BerSpeed<br>1+1            |                    |                    |                     |                      |                    |                    |                    |                  |                  |                   |
| 21 °C         | 16.30                      |                    |                    |                     |                      |                    |                    |                    |                  |                  |                   |
| CLAYTON       | F76 plus<br>1+9            |                    |                    |                     |                      |                    |                    |                    |                  |                  |                   |
| 21 °C         | 09.30                      |                    |                    |                     |                      |                    |                    |                    |                  |                  |                   |
| FOMA          | R09 New<br>1+25            | Foma Excel<br>pur  | Fomadon P<br>pur   |                     |                      |                    |                    |                    |                  |                  |                   |
| 21 °C         | 10.15                      | 07.45              | 18.00              |                     |                      |                    |                    |                    |                  |                  |                   |
| ILFORD        | ID-11<br>pur               | Microphen<br>pur   | Perceptol<br>pur   | Ilfotec LC29<br>1+9 | Ilfotec LC29<br>1+19 | Ilfotec DDX<br>1+4 | Ilfotec HC<br>1+15 | Ilfotec HC<br>1+31 | Ilfosol-S<br>1+9 | Ilfosol-3<br>1+9 | Ilfosol-3<br>1+14 |
| 21 °C         | 10.15                      | 08.30              | 17.30              | 07.30               | 13.30                | 09.00              | 07.30              | 13.30              | 12.30            | 10.30            | 15.30             |
| KODAK         | D-76<br>pur                | TMAX-dev<br>1+4    | Microdol-X         | HC-110<br>(A) 1+15  | HC-110<br>(B) 1+31   | XTOL               |                    |                    |                  |                  |                   |
| 21 °C         | 10.15                      | 08.15              | 16.45              | 07.30               | 13.30                | 07.30              |                    |                    |                  |                  |                   |
| PATERSON      | Aculux3<br>1+5             | FX-39<br>1+5       |                    |                     |                      |                    |                    |                    |                  |                  |                   |
| 21 °C         | 11.45                      | 10.00              |                    |                     |                      |                    |                    |                    |                  |                  |                   |
| ROLLEI        | Supergrain<br>1+9          | Supergrain<br>1+12 | Supergrain<br>1+15 |                     |                      |                    |                    |                    |                  |                  |                   |
| 21 °C         | 09.30                      | 11.30              | 13.15              |                     |                      |                    |                    |                    |                  |                  |                   |
| SPURSINN      | SAM classic<br>1+5         | SAM classic<br>1+7 |                    |                     |                      |                    |                    |                    |                  |                  |                   |
| 21 °C         | 14.30                      | 19.45              |                    |                     |                      |                    |                    |                    |                  |                  |                   |
| TETENAL       | Ultrafin T-plu<br>s<br>1+4 | Paranol S<br>1+25  |                    |                     |                      |                    |                    |                    |                  |                  |                   |
| 21 °C         | 11.30                      | 21.15              |                    |                     |                      |                    |                    |                    |                  |                  |                   |

### Ilford Delta-3200 à EI 6400/39°

|                 |                    |                    |                     |                    |                    |                  |                   |
|-----------------|--------------------|--------------------|---------------------|--------------------|--------------------|------------------|-------------------|
| <b>ADOX</b>     | Adonal<br>1+25     | FX-39<br>1+5       |                     |                    |                    |                  |                   |
| 21 °C           | 19.00              | 11.45              |                     |                    |                    |                  |                   |
| <b>AGFA</b>     | Rodinal<br>1+25    |                    |                     |                    |                    |                  |                   |
| 21 °C           | 19.00              |                    |                     |                    |                    |                  |                   |
| <b>AMALOCO</b>  | AM-74<br>1+7       | AM-74<br>1+9       | AM-74<br>1+15       | AM-74<br>1+19      |                    |                  |                   |
| 21 °C           | 12.30              | 13.45              | 16.15               | 24.45              |                    |                  |                   |
| <b>FOMA</b>     | R09 New<br>1+25    |                    |                     |                    |                    |                  |                   |
| 21 °C           | 19.00              |                    |                     |                    |                    |                  |                   |
| <b>ILFORD</b>   | ID-11<br>pur       | Microphen<br>pur   | Ilfotec LC29<br>1+9 | Ilfotec DDX<br>1+4 | Ilfotec HC<br>1+15 | Ilfosol-3<br>1+9 | Ilfosol-3<br>1+14 |
| 21 °C           | 12.30              | 11.30              | 12.00               | 11.45              | 12.00              | 17.30            | 22.15             |
| <b>KODAK</b>    | D-76<br>pur        | TMAX-dev<br>1+4    | HC-110<br>(A) 1+15  | XTOL               |                    |                  |                   |
| 21 °C           | 12.30              | 10.45              | 12.00               | 10.00              |                    |                  |                   |
| <b>PATERSON</b> | FX-39<br>1+5       |                    |                     |                    |                    |                  |                   |
| 21 °C           | 11.45              |                    |                     |                    |                    |                  |                   |
| <b>SPURSINN</b> | SAM classic<br>1+5 | SAM classic<br>1+7 |                     |                    |                    |                  |                   |
| 21 °C           | 19.00              | 25.15              |                     |                    |                    |                  |                   |

### Ilford Delta-3200 à EI 12500/42°

*NOTE : Utilisation possible à 12500/42 ; ces temps sont donnés par Ilford, bien que cela soit au-delà de l'indice d'exposition maximal conseillé.*

|                 |                    |                  |                    |
|-----------------|--------------------|------------------|--------------------|
| <b>ADOX</b>     | FX-39<br>1+5       |                  |                    |
| 21 °C           | 13.30              |                  |                    |
| <b>ILFORD</b>   | ID-11<br>pur       | Microphen<br>pur | Ilfotec DDX<br>1+4 |
| 21 °C           | 16.15              | 15.45            | 16.00              |
| <b>KODAK</b>    | D-76<br>pur        | TMAX-dev<br>1+4  | XTOL               |
| 21 °C           | 16.15              | 13.45            | 12.15              |
| <b>PATERSON</b> | FX-39<br>1+5       |                  |                    |
| 21 °C           | 13.30              |                  |                    |
| <b>SPURSINN</b> | SAM classic<br>1+5 |                  |                    |
| 21 °C           | 24.15              |                  |                    |

### Ilford Delta-3200 à EI 25000/45°

*NOTE : En cas de sous-exposition ; proposé mais déconseillé par Ilford.*

|               |                  |                    |
|---------------|------------------|--------------------|
| <b>ILFORD</b> | Microphen<br>pur | Ilfotec DDX<br>1+4 |
| 21 °C         | 21.00            | 23.00              |

## Ilford SFX-200 - 21 °C

**NOTE :** Film à haute sensibilité aux infrarouges ; voir la notice.

Certains temps sont curieusement donnés différents pour l'ID-11 et le D-76 dans la notice du film SFX-200 par Ilford.

### Ilford SFX-200 à EI 80/20°

|                 |                    |              |
|-----------------|--------------------|--------------|
| <b>ADOX</b>     | ADX-II<br>1+17     |              |
| <b>21 °C</b>    | <b>09.30</b>       |              |
| <b>SPUR</b>     | HRX<br>1+17        | UFP<br>1+24  |
| <b>21 °C</b>    | <b>09.30</b>       | <b>07.15</b> |
| <b>SPURSINN</b> | SAM classic<br>1+9 |              |
| <b>21 °C</b>    | <b>07.15</b>       |              |

### Ilford SFX-200 à EI 125/22°

|                 |                     |                    |
|-----------------|---------------------|--------------------|
| <b>AGFA</b>     | R09 special<br>1+15 | Studional<br>1+15  |
| <b>21 °C</b>    | <b>03.45</b>        | <b>03.45</b>       |
| <b>SPURSINN</b> | SAM classic<br>1+7  | SAM classic<br>1+9 |
| <b>21 °C</b>    | <b>06.30</b>        | <b>08.15</b>       |



## Ilford SFX-200 à EI 800/30°

|                 |                    |                  |                     |                      |                    |                    |                  |
|-----------------|--------------------|------------------|---------------------|----------------------|--------------------|--------------------|------------------|
| <b>CLAYTON</b>  | F60<br>1+9         | F76 plus<br>1+9  |                     |                      |                    |                    |                  |
| <b>21 °C</b>    | <b>11.45</b>       | <b>11.00</b>     |                     |                      |                    |                    |                  |
| <b>ILFORD</b>   | ID-11<br>pur       | Microphen<br>pur | Ilfotec LC29<br>1+9 | Ilfotec LC29<br>1+19 | Ilfotec HC<br>1+15 | Ilfotec HC<br>1+31 | Ilfosol-S<br>1+9 |
| <b>21 °C</b>    | <b>17.00</b>       | <b>13.45</b>     | <b>10.00</b>        | <b>18.00</b>         | <b>10.00</b>       | <b>18.00</b>       | <b>18.00</b>     |
| <b>KODAK</b>    | D-76<br>pur        | TMAX-dev<br>1+4  | HC-110<br>(A) 1+15  | HC-110<br>(B) 1+31   |                    |                    |                  |
| <b>21 °C</b>    | <b>15.30</b>       | <b>11.45</b>     | <b>10.00</b>        | <b>18.00</b>         |                    |                    |                  |
| <b>SPURSINN</b> | SAM classic<br>1+5 |                  |                     |                      |                    |                    |                  |
| <b>21 °C</b>    | <b>10.45</b>       |                  |                     |                      |                    |                    |                  |

pirate-photo.fr - coignet - tables de développement de films - pdf généré vendredi 3 janvier 2025 à 1h54  
 Les marques utilisées dans cette page sont des marques déposées appartenant à leurs fabricants respectifs  
 Tables mises à jour le 26 décembre 2024

LÉGENDE :

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

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