

G 74 c CONTINUOUS TONE DEVELOPER, G 74 s STARTER AND AD 74 ADDITIVE

Continuous Tone Chemistry

G 74 c is a high activity, continuous tone developer, used for developing black and white continuous tone aerial images in roller transport processors. This developer can also be used for other types of continuous tone applications, if necessary with a different dilution rate need to achieve longer development times.

G 74 c consists of parts A and B.

The liquid starter G 74 s is used only for filling the processor. Using only liquids makes it easier to mix the developer homogeneously.

The AD 74 additive is added both to the G 74 s starter developer and to the G 74 c replenisher, in order to further increase the activity of the developer, when the ultra rapid development of aerial images, or a higher film speed is required and a standard image contrast is targeted.

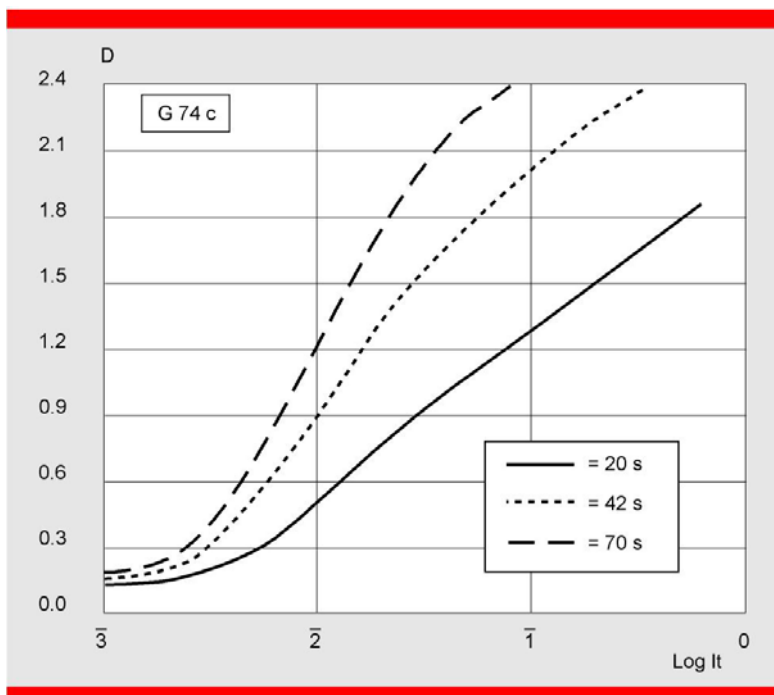
■ Characteristics

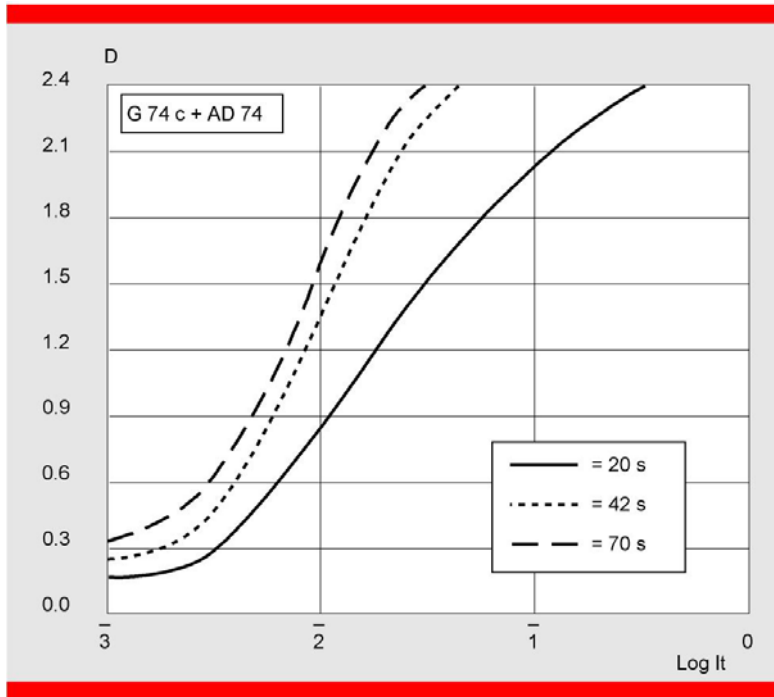
- Rapid development, with optimum processing at 30 °C.
- High resistance to oxidation.
- Developer activity can be increased by higher development temperature or adding AD 74 additive.
- Exempt from IATA transport restrictions: G 74 c, G 74 s, AD 74 and PFIX fixer are not listed as corrosive materials (Dangerous Goods Regulations IATA, 38th Ed., 1997) and can be transported without restriction.

■ Photographic characteristics

Characteristic curves

Aviphot Pan 200 developed in G 74 c, in a Gevatone 66 processor at 30 °C.





■ Storage

G 74 c, G 74 s, and AD 74 are preferably stored at temperatures between 4 and 30 °C.

Shelf life	G 74 c/AD 74	G 74 s
at -18°C	3 days	3 days
at -4°C	30 days	30 days
between 4 and 30°C	36 months	48 months

Safety Data Sheets can be obtained from your local Agfa supplier.

■ Production Guidelines

Correct use of the chemicals

- Observe the safety instructions and carefully follow the instructions for mixing printed on the packaging.
- Never mix part A and B without first diluting with water.
- 1 unit of G 74 c (2 x 5 litres of part A and 2 x 5 litres of part B) is sufficient to make 60 litres of replenisher.
- When filling the processor, use G 74 c developer + G 74 s starter for preparing the ready-for-use starter developer.
- Do not use G 74 s for making replenisher.
- The AD 74 additive (packed per 4x5 litres for making 120 litres) should be added both to the starter developer and to the replenisher.
- The PFIX fixer - with Aditan hardening agent - is recommended for fixing aerial photographic images.

Preparation of G 74 tank solution and replenisher for the processor

- To make 1 litre of tank solution G 74: 0.125 litre G 74 c part A + 0.3 litre water + 0.125 litre G 74 c part B + 0.028 litre G 74 s + add water to obtain 1 litre.
- Replenisher G 74 c: 1 part A + 4 parts of water + 1 part B. Recommended replenishment rate: 250 - 300 ml/m² for aerial film and 150 ml/m² for paper processing.

Preparation of G 74 with AD 74 tank solution and replenisher for the processor

- To make 1 litre of tank solution G74 + AD 74: 0.125 litre G 74 c part A + 0.3 litre water + 0.125litre G 74 c part B + 0.028 litre G 74 s + 0.125 litre AD 74 + add water to obtain 1 litre.
- Replenisher G 74 c + AD 74: 1 part A + 3 parts of water + 1 part B + 1 part of AD 74. Recommended replenishment rate: 250 - 300 ml/m² for aerial film and 150 ml/m² for paper processing.

Filling the tanks

Processor	G 74 + replenisher or G 74 + AD 74 + replenisher
Colex RTF BW 12-80 (22.3 l)	22.3 x 1 l starter
Colex RTF BW 12-160 (45 l)	45 x 1 l starter
Colex RTF BW 12-432 (45 l)	45 x 1 l starter
Colex RTF BW 26-2S (35 l)	35 x 1 l starter
Gevatone 66 (56 l)	56 x 1 l starter
Versamat 1140	1 bottle of G 74 s + 7 litres of water + add replenisher to get 34 l
Versamat 11	1 bottle of G 74 s + 8 litres of water + add replenisher to get 34 l

Preparation and use of G 74 developer for tray development

- For 30 litres of developer: 1.5 litres G 74 c part A + 10 l of water + 1.5 l G 74 c part B + 0.335 l G 74 s + 16.7 l of water.
- Developing temperature: 20 °C.

Preparation and use of Pfix fixer + ASP Aditan

- 1 part PFIX + 4 parts of water + 10 ml ASP Aditan per litre of ready-for-use fixer. These amounts apply both for filling the processor tank, and for replenishment.
- Recommended replenishment: 500 ml/m² for film and paper processing.

■ Product range

Product	Packaging	ABC code
G 74 c for 60 litres replenisher	10 litres A + 10 litres B	377H2
G 74 s for 34 litres tank solution	4 x 0,952 litre	EK5TZ
AD 74 for 120 l replenisher G 74 + AD 74	4 x 5 litres	EC6SD
PFIX	4 x 5 litres	ESG2N
ASP Aditan	4 x 1 litre	EU2E7

Subject to change without prior notice.

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