

Alliance

for a new millennium



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<http://www.agfahome.com/alliance/>

Everything you want to know about Alliance *Plus*

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Alliance for a new millennium

Agfa's mission is to provide our customers with film solutions that deliver quality and convenience without compromise. Last year, the Agfa-Gevaert Group, with headquarters in Mortsel, Belgium, announced the acquisition of DuPont's Graphic Film and Offset Printing Plate Business Units. The technology of DuPont's Neu-Isenburg facility, combined with Agfa's own research and development (R&D) expertise, is taking Agfa's world-class family of Alliance film products to a higher level.

We call this innovation Alliance Plus.

The new dimension of Alliance Plus will bring you many benefits

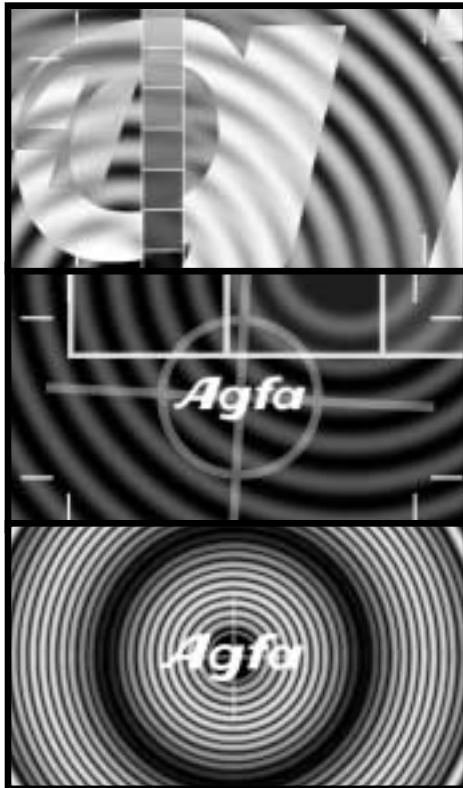
Alliance Plus offers the superior image quality you expect with the convenience of Rapid Access technology. That means high Dmax and sharp edge definition, combined with exposure and development latitude and low chemical consumption. The benefits: superior plate copy and fewer remakes, saving you time and money.

Making your job easier

Making tight deadlines is easy with Alliance Plus. Alliance Plus is 30% faster than current hard dot films. It develops with consistent results over the widest range of processing conditions. In fact, Alliance Plus has a 50% wider processing latitude than competitive hard dot systems and is compatible with any Rapid Access chemical. Alliance film delivers convenience and productivity... keys for success in any high-production prepress environment.

Gold Shield Technology

Further improvements in Gold Shield Technology have also been integrated into Alliance Plus film. Gold Shield Technology ensures wide exposure and processing latitude, minimum dot gain, and production stability. The benefits: accurate reproduction and fewer remakes, saving you time and money.



Ecology and economy

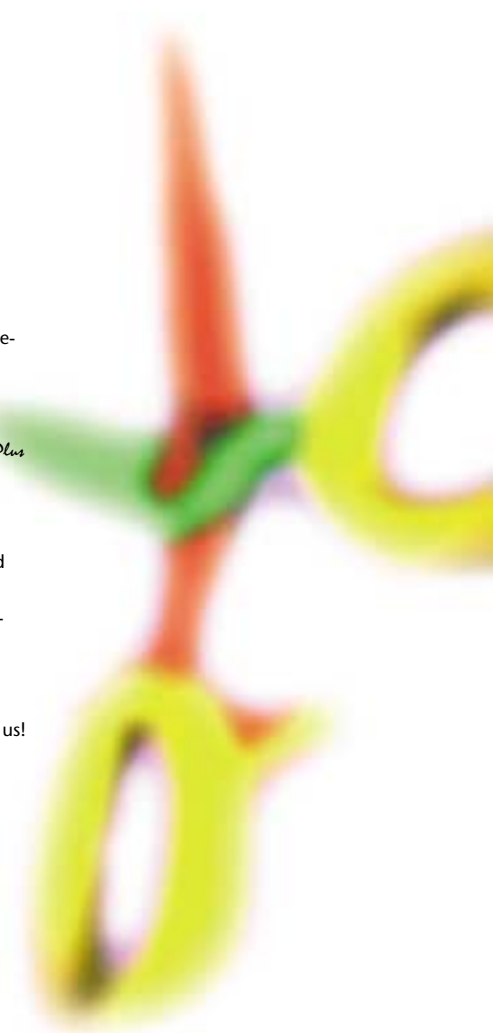
Agfa is strongly committed to protecting the environment. Agfa's water treatment and silver recovery units considerably reduce water consumption and fixer usage. Using AgfaSolid chemicals means less packaging waste. Improved ease of operation guarantees an increased "comfort level". You will save time, money, and help protect our environment.

Gearing up for the new millennium

For over 100 years, Agfa has been at the forefront of technological innovations in the graphic arts industry. Agfa's focus on research and development led to product innovations such as Copyproof – diffusion transfer material; the SelectSet Avantra – the first in a series of PostScript laser image-setters for high-quality film imaging; the Galileo platesetter and Lithostar aluminium plates – a fully integrated computer-to-plate solution; ImPower *Plus* – Agfa's hard dot film system; and Alliance *Plus* – the number one Rapid Access film.

Agfa will continue to develop new and improved products and solutions that exemplify our innovation and commitment to the graphic arts world today and into the new millennium.

Celebrate with us!



Product conversion table

	Your current product	Alliance product	Remarks
Recording (Rapid Access)			
HeNe Film	CFRI-4	Alliance HN	Drop-in for 633 nm, adapt intensity settings for Extended Red (670 nm)
	CFRM-4	Alliance HNm	Drop-in for 633 nm, adapt intensity settings for Extended Red (670 nm)
	CFRM-7	Alliance HN7m	Drop-in for 633 nm, adapt intensity settings for Extended Red (670 nm)
HeNe Paper	CLED-4	Alliance LD	Intensity settings to be optimized
	CR-P/CFR-P	Alliance HNP	Adapt intensity settings
IR Film	CIR-4	Alliance IR	Drop-in product
	CIRM-4	Alliance IRm	Drop-in product
IR Paper	CIR-P	Alliance IRP	Drop-in product
AR Film	DB-4	Alliance AR	Adapt intensity settings

Camera (Rapid Access)

CQL-4	Alliance CS	Drop-in product
CUCF-4	Alliance CS	Drop-in product
CQLM-4	Alliance CSm	Drop-in product
CUCE-4	Alliance CE	Drop-in product
CPR-4	Alliance CD	Drop-in product
CCD-4	Alliance CD7m	Adapt exposure settings
CCDL-4	Alliance CD7m	Adapt exposure settings
CCD-7	Alliance CD7m	Adapt exposure settings
CCDL-7	Alliance CD7m	Adapt exposure settings

Contact (UV-free daylight)

Film	BLCF-4	Alliance DC	Drop-in product	
	BLCF-7	Alliance DC7m	Drop-in product	
	BLM-4	Alliance DCM	Drop-in product	
	BLM-7	Alliance DC7m	Drop-in product	
	BLE-4	Alliance DCG	Adapt exposure settings	
	BLF-4	Alliance DCG	Adapt exposure settings	
	BLD-4	Alliance DD	Adapt exposure settings	
	BLR-4	Alliance DD	Drop-in product	
	BLD-7	Alliance DD7m	Adapt exposure settings	
	BLDM-4	Alliance DDm	Adapt exposure settings	
	BLDM-7	Alliance DD7m	Adapt exposure settings	
	Paper	BLP	Alliance DNP	Drop-in product
		BLDP	Alliance DDP	Drop-in product

Assortment overview

Recording (Rapid Access)

Helium Neon film

- **Alliance HN, HNm, HN7, HN7m:**
Red-sensitive film, intended for exposure in recorders with HeNe laser or red laser diode (633 nm – 670 nm).
- **Alliance HS:**
High-speed red-sensitive film, intended for exposure in recorders with helium neon laser or red laser diode (633 nm – 670 nm).

Helium Neon paper

- **Alliance HNP:**
Red-sensitive paper, intended for exposure in recorders with helium neon laser or red laser diode (633 nm – 670 nm).
- **Alliance HSP:**
High-speed red-sensitive paper intended for exposure in recorders with helium neon laser (633 nm – 670 nm) or red laser diode.

Light Emitting Diode (LED) film

- **Alliance LD, LDm:** Red-sensitive film, intended for exposure in recorders with LED array (660nm).

Infrared film

- **Alliance IR, IRm, IR7m:**
Infrared-sensitive film, intended for exposure in recorders with infrared laser diode (780 – 820 nm).

Infrared paper

- **Alliance IRP:**
Infrared-sensitive paper, intended for exposure in recorders with infrared laser diode (780 – 820 nm).

Argon Ion film

- **Alliance AR, ARm, AR7m:**
Blue-sensitive film, intended for exposure in recorders with Argon Ion laser (488 nm).

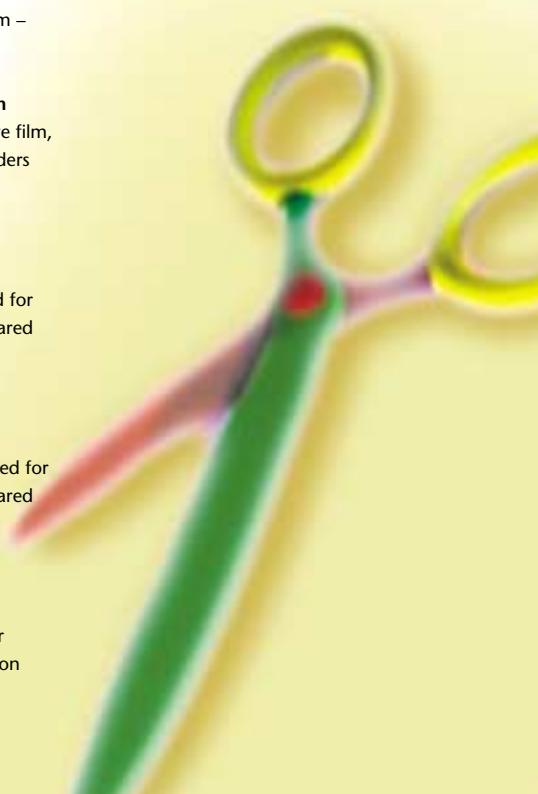
Camera (Rapid Access)

Film

- **Alliance CS, CSm:**
Orthochromatic, negative-working film with high sensitivity.
- **Alliance CE:**
Orthochromatic, negative-working line film with high sensitivity.
- **Alliance CD, CD7m:**
Orthochromatic, positive duplicating film with high sensitivity.
- **Alliance CL:**
Negative-working line film.

Paper

- **Alliance CNP:**
Negative-working camera paper.
- **Alliance CDP:**
Duplicating camera paper.



Contact (UV-free daylight)

1) Daylight materials

Handled in white,
UV-free ambient light:

Film

- **Alliance DC, DCm, DC7m:**
Negative-working daylight film with very wide exposure latitude, intended for producing exact copies, in both one and two steps.
- **Alliance DCG:**
Negative-working daylight film, suitable for copying of screen and line originals, dry etching, spread and choke applications.
- **Alliance DD, DDm, DD7m:**
Positive-working daylight film, suitable for direct positive copying of screen and line originals.

Paper

- **Alliance DNP:**
Negative-working contact paper.
- **Alliance DDP:**
Duplicating contact paper.

Handled in subdued white,
ambient light:

Film

- **DL522s:** Contact stripping film.

Paper

- **Alliance DDP:**
Positive-working contact paper.

2) Quartz materials

Handled in quartz yellow light:

Film

- **Alliance QCY, QCY7:**
Clear negative quartz film.
- **Alliance QDY, QDY7:**
Clear positive quartz film.

Paper

- **Alliance QNPY (QC525RC):**
Negative quartz paper.

Handled in quartz white light:

Film

- **QWFi-4, QWFi-7:**
Clear negative quartz film.
- **QWD-4, QWDM-4, QWDM-7:**
Positive quartz film.

Paper

- **QWP:** Negative quartz paper.

3rd generation assortments

- **Agfostar:**
High-contrast camera films.
- **Quanta-One:**
High-contrast camera and recording films.

ImPower

High-contrast hard dot system
(4th generation)

- **IPR, IPRm, IPR7, IPR7m:**
Recording film (630 – 670 nm) for helium neon laser or red laser diode.
- **IPB:**
Recording film for argon-ion laser.
- **IPC:**
Orthochromatic, negative camera film.

Explanation of designation

All films have a polyester backing. The normal thickness is 0.10 mm/0.004 in.

If the thickness is 0.18 mm/0.007 in., this is indicated by the number '7'.

The 'm' indicates that the film is a matt film.

The 'P' stands for paper. All papers have a water-resistant backing.

Chemicals

- **G101c:**
Standard Rapid Access
developer/replenisher
("c" = liquid concentrate).
- **G101p:**
Standard Rapid Access
developer/replenisher
("p" = solid chemical).
- **G101b:**
Standard Rapid Access
developer/replenisher
("b" = batch/ready to use).
- **G333c:**
Universal fixer
("c" = liquid concentrate).
- **G333p:**
Universal fixer
("p" = solid chemical).
- **G333b:**
Universal fixer
("b" = batch/ready to use).
- **IPD:**
ImPower hard dot developer,
liquid concentrate.



Ecology and convenience package

Agfa is strongly committed to protecting the environment by providing you with solutions which fight pollution and reduce waste. In addition, Agfa strives to improve handling operations, for greater convenience.

AgfaSolid chemicals and AgfaSolid mixers

Using solid chemicals contributes considerably to protecting the environment. Our solid developer and solid fixer guarantee the same processing conditions as our liquid chemicals, as well as the same stability, consistency and image quality with Alliance films. Manual dilution of liquid chemicals is no longer necessary. These products add convenience, reduce waste, and save money while conserving the environment.

Products

- AgfaSolid Developer G101p
- AgfaSolid Fixer G333p
- Agfa Solid Mixer Set 20 l
- AgfaSolid Mixer Set 40 l

Agfa silver recovery units

In addition to environmental benefits (reducing fixer usage) the silver recovery units can contribute to substantial cost savings.

Products

- SilverSave 12
(Capacity: 12 g AgNO₃/h)
- SilverSave 24
(Capacity: 24 g AgNO₃/h)

Agfa "AquaSave" water savers

To reduce water consumption in your processor, Agfa has developed and designed "AquaSave" units. AquaSave recycles water from the wash section to the processor while reducing fresh water consumption as much as 90%. AquaSave is available for AgfaLine on-line processors.

Products

- AquaSave A (connection to AgfaLine on-line processors)



Change-over tips and tricks



Recording

Alliance recording materials are compatible with most Rapid Access chemicals and have similar photographic properties to your current recording films. In most cases, Alliance is a **drop-in** product.

Tips and tricks

- Alliance recording films can be processed in any Rapid Access developer. This means that you can start processing Alliance in your current chemicals without changes in time and temperature. However, to guarantee optimum results, we recommend the use of Agfa G101/333 chemicals. You will obtain higher productivity at lower chemical consumption.
- Alliance recording materials have similar photographic properties to your current recording products virtually eliminating the need for major changes in exposure characteristics. If you have specific questions, please contact your Agfa sales representative.
- As to light sources, only a few applications require special attention. Your Agfa sales representative can tell you which ones. Below is a quick overview of the different light sources and the required modifications:

HeNe

633 nm – 650 nm

Intensity setting

670 nm

Intensity setting/calibration

Argon Ion

Intensity setting

Infrared

Intensity setting



Camera

Most of the Alliance camera films are **drop-ins** and only exposure times need adjustment. In general, Alliance Rapid Access films have a higher speed, slightly higher sharpness and slightly better tone rendering.

Tips and tricks

- The Alliance camera films can be processed in most current competitive Rapid Access and Hard Dot chemicals including our high contrast Quanta One (QOD) and ImPower (IPD) developers. During the transition, there is no need to change the developing systems or replenishment rates. However, to guarantee optimum results with Alliance camera products, we recommend Agfa G101/333 chemicals. You will obtain higher productivity and lower chemical consumption.
- Most (practical) properties of camera films, except for photographic speed, remain unchanged.
- Some of the Alliance contact films are not suitable for Agfastar processing while others are not suitable for Lith.
- If you have questions, or need further details, please contact your Agfa sales representative.





Contact

Most of the Alliance contact films are **drop-ins** and only exposure times are subject to some adjustment. In general, Alliance UV-free daylight films have less “starry night”, better dimensional stability behavior, higher maximum density and better developing kinetics.

Tips and tricks

- During the transition, there is no need to change the developing systems or replenishment rates. However, to guarantee optimum results, we recommend using Agfa G101/333 chemicals as soon as you have completely switched over to Alliance. You will obtain higher productivity and lower chemical consumption.
- Processing conditions (Rapid Access developers) have hardly any influence on the practical results. In some cases, properties may be different. We advise you to contact your Agfa sales representative for more information.
- Some of the Alliance contact films are not suitable for Agfastar processing (negative-working films of the Subdued Daylight and White Light Quartz assortment) while others are not suitable for Lith processing (negative-working films of the UV-Free Daylight and Yellow Light Quartz assortment).
- For information about processing with Hard Dot chemicals, please contact your Agfa sales representative.
- All duplicating films are compatible with Rapid Access, Agfastar, Lith, 3rd and 4th generation developing systems.

Chemicals

Developer

To ensure a smooth change-over of the developer (from CUFD to G101c or from

CID to G101c), it is recommended to clean the developer rack and tank.

Tips and tricks

- Agfa G4500c tank cleaner is the perfect solution for cleaning the developer rack and tank. It works very efficiently and is ecologically acceptable.
- Replenishment rates for all films
 - 100 – 125 ml/m² positive output (15% exposed film)
 - 200 – 250 ml/m² (50% exposed film)
 - 350 – 400 ml/m² negative output (85% exposed film)
 - + 1,000 ml/day to compensate for evaporation and carry-over
- Replenishment rates have to be increased by 20% when using or inter-mixing with duplicating films

Fixer

To change the fixer (from DLF to G333c) no cleaning or draining of the fixer tank is necessary. It can be done at any time.

Tips and tricks

- No cleaning or draining of the fixer tank is necessary, unless there is some residue on the tank bottom. In this case, empty the fixer tank and rinse with water.
- Please note that the dilution of G333c is different than DLF. G333c has to be diluted 1 + 4.
- In normal conditions, the use of hardener is not necessary.
- Replenishment rates for G333c and G333p
 - **Without electrolysis**
 - 500 – 650 ml/m² positive output (15% exposed film)
 - 300 – 375 ml/m² (50% exposed film)
 - 100 – 150 ml/m² negative output (85% exposed film)
 - **With electrolysis**
 - 125 ml/m² (negative and positive output)



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The complete picture.