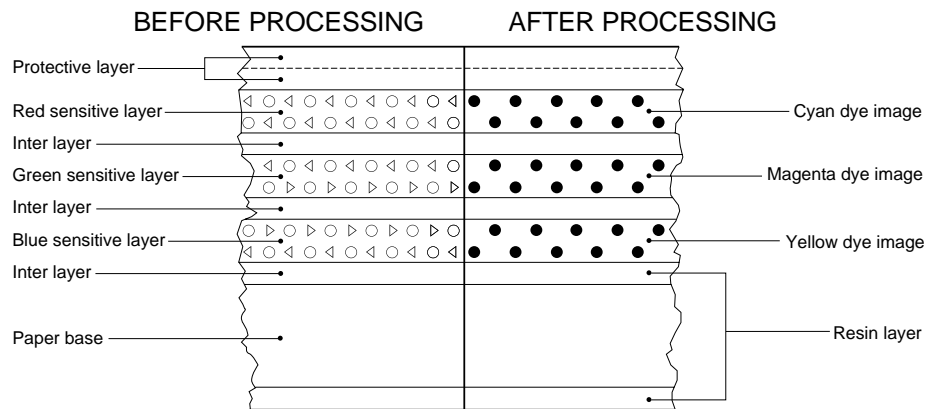


Konica Color QA Paper Type A7

FEATURES

Konica Color QA Paper Type A7 is designed for making superior color prints from a wide variety of color films including Konica Color VX Series and JX Series for the Advanced Photo System. Incorporating Konica's latest emulsion technologies, this paper can reproduce excellent images with beautiful color. Konica Color QA Paper Type A7 features several improvements over prior QA Paper Type A6 : whiter whites, better image sharpness, higher sensitivity and very rich gradations from highlights through shadows, especially in highlights. Inheriting the superb quality of QA Paper Type A6, the new Konica Color QA Paper Type A7 offers greater latent image stability, enhanced reciprocity failure characteristics and superior processing stability for easier use.

LAYER STRUCTURE



PAPER BASE

Polyethylene coated paper

PAPER SIZES AVAILABLE

Size	Quantity per Box	Size	Quantity per Box
89mm x 85m	4 rolls	3-1/2 in. x 575 ft.	4 rolls
89mm x 175m	4 rolls	3-1/2 in. x 775 ft.	2 rolls
89mm x 240m	2 rolls	3-1/2 in. x 1000 ft.	2 rolls
89mm x 350m	2 rolls	3-1/2 in. x 1150 ft.	2 rolls
89mm x 450m	2 rolls	4 in. x 575 ft.	4 rolls
102mm x 85m	4 rolls	4 in. x 775 ft.	2 rolls
102mm x 175m	4 rolls	4 in. x 1000 ft.	2 rolls
127mm x 85m	4 rolls	5 in. x 575 ft.	2 rolls
127mm x 175m	2 rolls	8 in. x 575 ft.	1 rolls
203mm x 85m	2 rolls	10 in. x 575 ft.	1 rolls
254mm x 85m	2 rolls		

Other roll sizes including master rolls, and various sheet sizes are also available.

PAPER SURFACES AVAILABLE

Glossy, Matte and Supre-Luxe

STANDARD PROCESSING Konica Color QA Chemicals (including CPK-2-22 SOA and ECOJET chemicals for Konica Nice Print Systems 800 series) or RA-4 compatible chemicals.

Processing step	Temperature	Time
Developer*	35.0 ± 0.3°C (95 ± 0.5°F)	45 sec.
Bleach-Fix*	30 to 36°C (86 to 97°F)	45 sec.
Wash or Super Stabilizer	30 to 40°C (86 to 104°F) or 30 to 37°C (86 to 99°F)	90 sec.
Dry	Not over 85°C (185°F)	As required

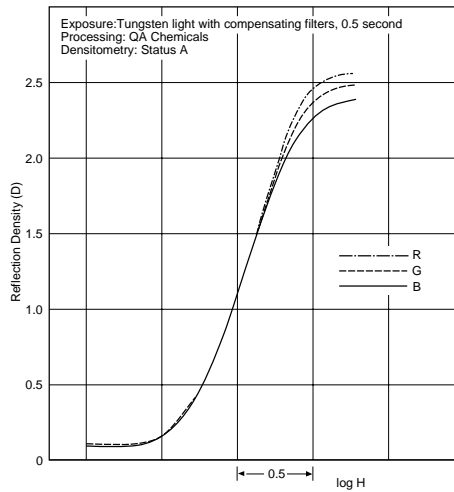
*Total darkness.

SAFE LIGHT

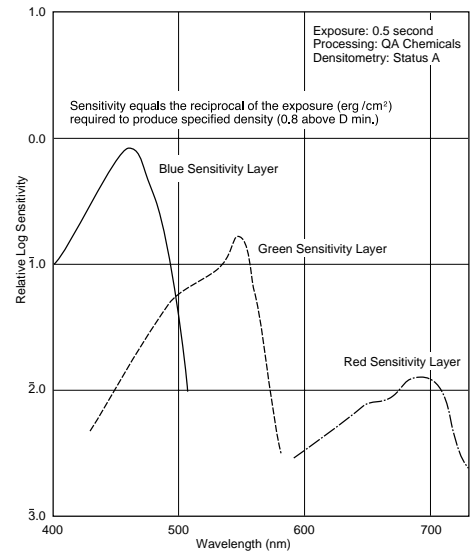
Use of safe light is not recommended. Handle paper in total darkness before and during processing.

CHARACTERISTIC CURVES • SPECTRAL SENSITIVITY

CHARACTERISTIC CURVES

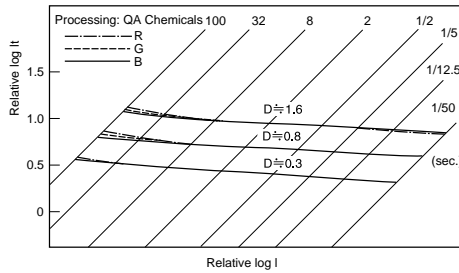


SPECTRAL SENSITIVITY

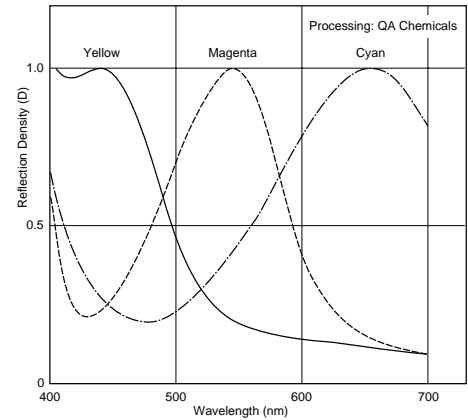


RECIPROCITY CHARACTERISTICS • LATENT IMAGE STABILITY • SPECTRAL DYE DENSITY CURVES

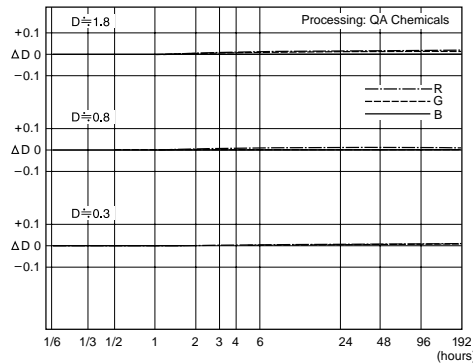
RECIPROCITY CHARACTERISTICS



SPECTRAL DYE DENSITY CURVES



LATENT IMAGE STABILITY



PRECAUTIONS

1. Store unexposed color paper in a cool and dry place (below 10°C or 50°F) such as a refrigerator.
2. To avoid water condensation on the surface and to minimize the effect of paper temperature on print density and color balance, allow paper which has been stored cool to reach room temperature before use. Return the remaining paper to cool storage (below 10°C or 50°F).

WARM-UP TIME (Cool storage to room temperature)

Paper size	From 5 to 22°C(41 to 72°F), 55% RH
85mm (=275 ft.) or 8" x 10" 100 sheets package	About 2 hours
175mm (=575 ft.)	About 5 hours

DYE IMAGE STABILITY UNDER DARK STORAGE CONDITIONS

Konica Color QA Paper Type A7 features outstanding formed dye image stability under dark storage conditions.

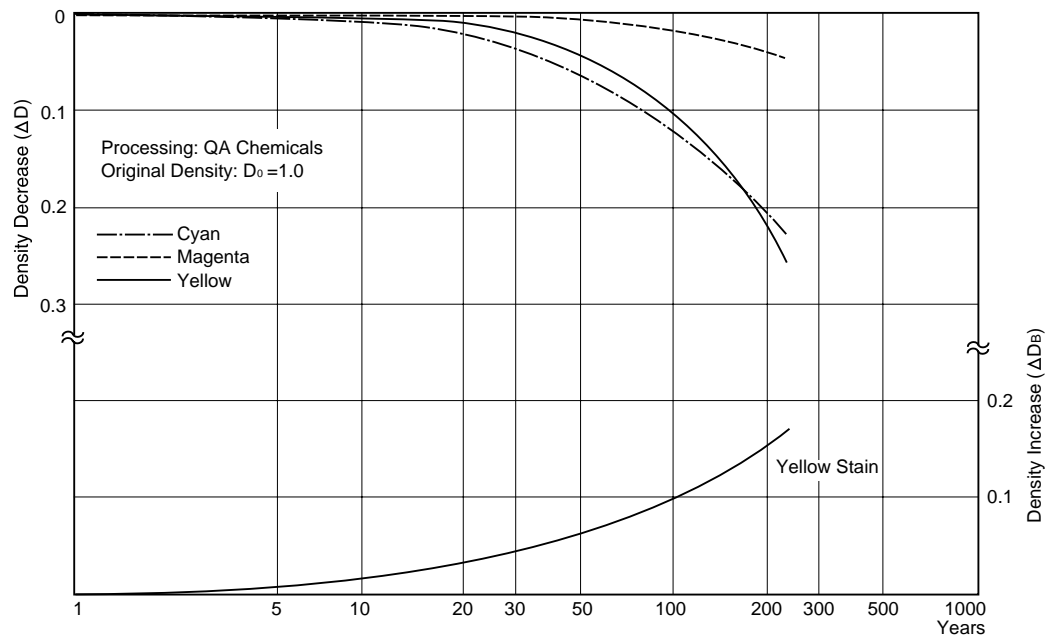


Fig.1 Predicted Dye Image Life (at 24°C/75°F, 60%RH)

Fig. 1 shows the predicted dye image fading of Konica Color QA Type A7 at initial density $D_0=1.0$ under the conditions of 60% RH at 24°C/75°F, derived from Arrhenius plots.

On the basis of this graph, yellow, magenta and cyan formed dye images are predicted to retain at least 85% of initial density for 100 years or longer under normal conditions of preservation (in photo album). It is assumed that image quality will remain satisfactory for typical purposes as long as density loss does not exceed 15%.

DYE IMAGE STABILITY UNDER LIGHT STORAGE CONDITIONS

An important feature of Konica Color QA Paper Type A7 is excellent dye image stability under light storage conditions, together with its outstanding dye image stability in dark storage.

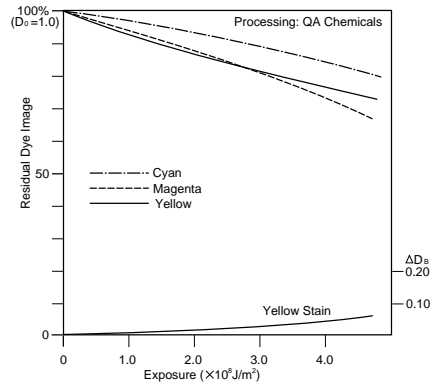


Fig. 2 Dye Image Stability in Light Storage
(Xenon Fade-O-Meter)
(Fading of Neutral Gray of $D_{50}=1.0$ and Stain Increase)

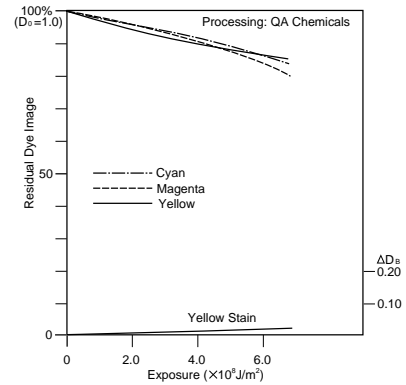


Fig. 3 Dye Image Stability in Light Storage
(Sunlight through Glass Plate)
(Fading of Neutral Gray of $D_{50}=1.0$ and Stain Increase)

In Figures 2 and 3, the percentages of retained dye images (initial neutral gray $D_{50}=1.0$) of prints on Konica Color QA Paper Type A7 are plotted for regular intervals of exposure, yellow staining caused by prolonged exposure to light is greatly reduced.

Outstanding dye image resistance to light enables Konica Color QA Paper Type A7 to offer longer-lasting rich color and gradation for display photographs.

NOTICE: The characteristic curves and data in this publication represent test results obtained under the specified conditions of exposure and processing. They do not represent standards or specifications for Konica products. The manufacturer reserves the right to modify product characteristics at any time.