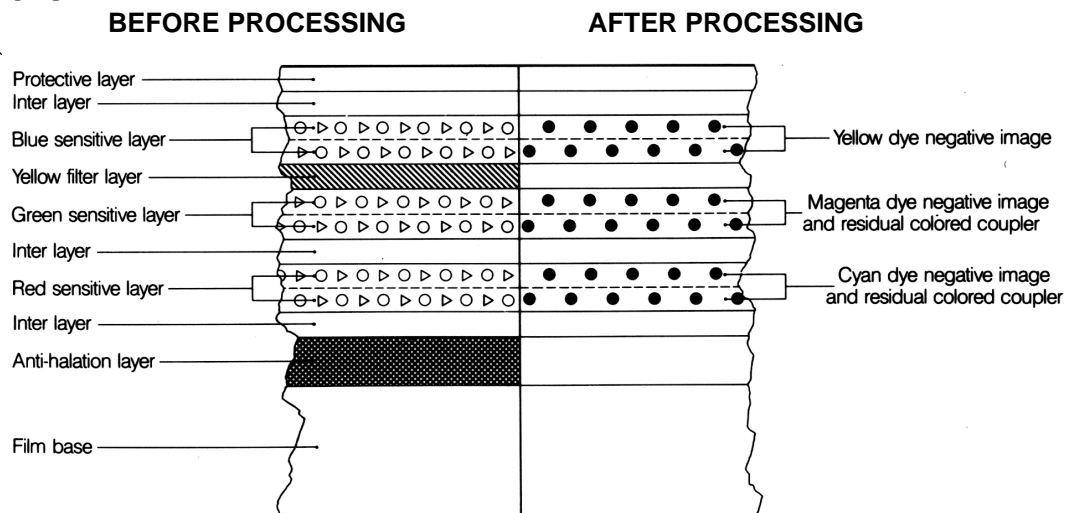


Konica Color IMPRESA 50 Professional Film

FEATURES

Konica Color IMPRESA 50 Professional Film achieves the highest level of granularity and sharpness of any color print film currently available. Application of Simulated Spectral Foundation Technology makes it possible to capture subtle color tones that no other film can capture with this much fidelity. And reproduction of extremely fine shadings of color plus delicate contrast, results in images with a dramatic feeling of depth and texture. Its ISO 50/18⁰ rating allows for use under a broad range of lighting conditions, while outstanding physical properties assure convenient handling and processing.

LAYER STRUCTURE



FILM BASE Triacetate base

FILM SIZES AVAILABLE 135 size: 24, 36 exp., 120 size

EXPOSURE CONDITIONS

Konica Color IMPRESA 50 Professional is color-balanced for daylight, electronic flash and blue flash bulbs.

It will also provide good results with fluorescent light sources and satisfactory results with tungsten light sources. Use of appropriate light-balancing filters may be advisable when more precise color reproduction is desired with such light sources.

Light Source	ISO Speed	Light Balancing Filter
Daylight or Electronic Flash	50/18 ⁰	None
Photolamp (3400K)	16/13 ⁰	Wratten No. 80B
Tungsten (3200K)	12/12 ⁰	Wratten No. 80A

Includes the exposure factor to obtain best color results without special printing.

RECIPROCITY CHARACTERISTICS

A wide range of shutter speeds (i.e. 1/10000~1 sec.) can be used without loss of film speed and tone reproduction.

To compensate for reciprocity failure, use the following data as a guide:

RECIPROCITY FAILURE COMPENSATION GUIDES

Exposure time (in seconds)	1/10000 - 1	10
Exposure Compensation	None	+1/2 stop
Color Compensating Filters	None	None

DAYLIGHT EXPOSURE

EXPOSURE GUIDE TABLE: Outdoors under daylight

Conditions	Bright Sunlight (Seascape, Snow scene)	Bright sunlight	Hazy sunlight	Cloudy bright	Cloudy dull, Open shade
Lens opening	f/16	f/11	f/8	f/5.6	f/4
Shutter speed	1/125 sec.	1/125 sec.	1/125 sec.	1/125 sec.	1/125 sec.

This table is applicable for exposures from 2 hours after sunrise to 2 hours before sunset.

The use of an exposure meter is highly recommended in cloudy weather or in open shade since light intensity differentials are in continual flux, Apertures increased by one or two stops are usually suitable for back-lighted, close-up subjects.

ELECTRONIC FLASH EXPOSURE

Use the guide numbers in the following table as a standard for this film. Select the output closest to the number given by your flash manufacturer. Then find the guide number for feet or meters. To determine the lens opening, divide the guide number by the flash-to-subject distance. If your negatives are overexposed, use a higher guide number; if they're underexposed use a lower number.

Electronic-Flash Guide Numbers

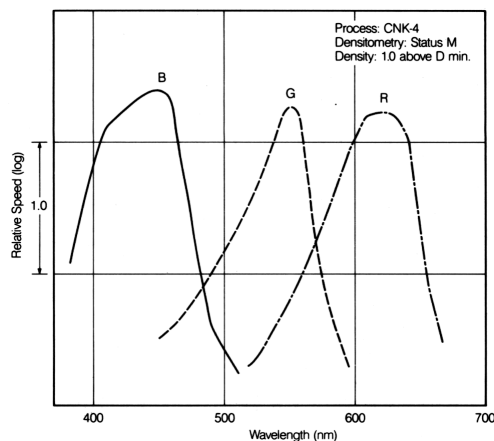
Output (BCPS*)	350	500	700	1000	1400	2000	2800	4000	5600	8000
Guide No. ((for distance in feet)	28	35	42	49	60	70	84	98	119	140
Guide No. (for Distance in Meters)	8	11	13	15	18	21	25	29	35	42

* BCPS= beam candlepower seconds

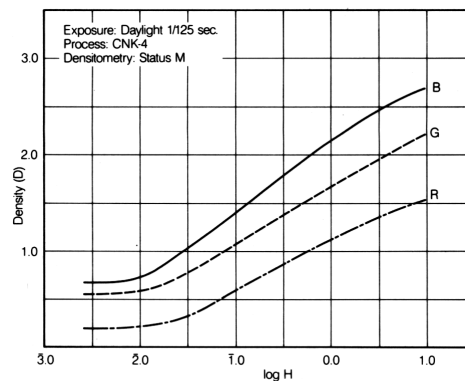
STANDARD PROCESSING Konica Color Negative Film Process CNK-4 Series or Process C-41

SPECTRAL SENSITIVITY/ CHARACTERISTIC CURVES

SPECTRAL SENSITIVITY

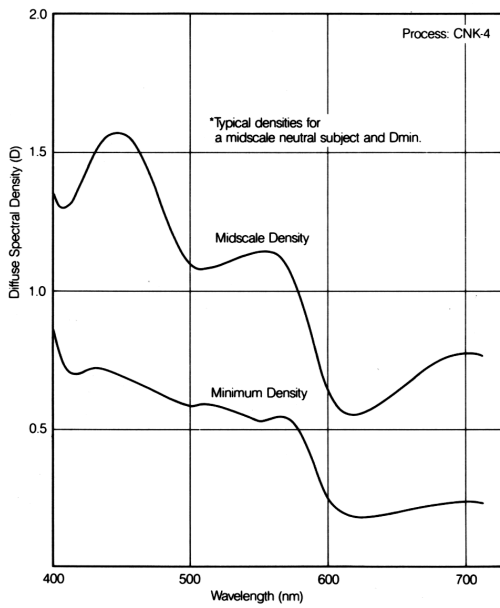


CHARACTERISTIC CURVES

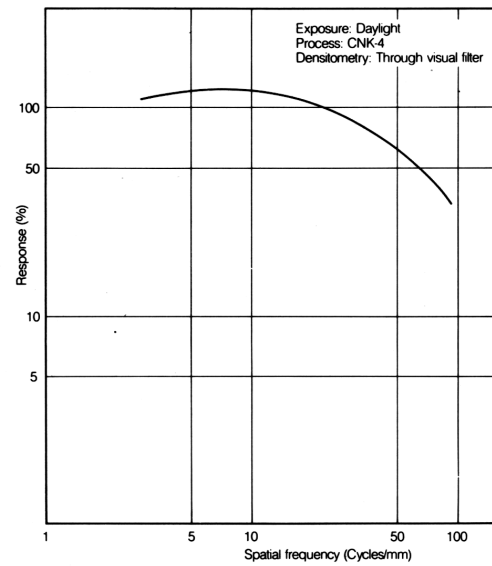


SPECTRAL DYE DENSITY CURVES / SHARPNESS

SPECTRAL DYE DENSITY CURVES



MODULATION TRANSFER FUNCTION



RESOLVING POWER

Test-Object Contrast 1.6:1 - 63 lines/mm
Test-Object Contrast 1000:1 - 160 lines/mm

PRECAUTIONS

Konica Color IMPRESA 50 Professional film features enhanced raw stock and latent image stability and resistance to harmful gases. However, the following precautions must be observed in handling color negative films:

1. HANDLING OF FILM: Avoid direct sunlight or other strong light when loading or unloading camera.
2. PROCESSING AND PRINTING: Process and print promptly after exposure to minimize effects of latent image change.
- STORAGE OF FILM: Keep unused film in a cool, dry place such as a refrigerator (Storage at below 10 °C is recommended.)
Avoid the following conditions:
 - i) High temperature and high humidity.
 - ii) Exposure to harmful gases such as formaldehyde.
 - iii) Leaving film in camera for extended periods.
4. EXPIRATION DATE OF FILM: For best results, process before expiration date stamped on package.
5. STORAGE OF PROCESSED FILM: Keep processed film in a cool, dry and dark place to minimize fading of dyes.

NOTICE: The characteristic curves and data in this publication represent test results obtained under the specified conditions of exposure and processing. The manufacturer reserves the right to modify product characteristics at any time.

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