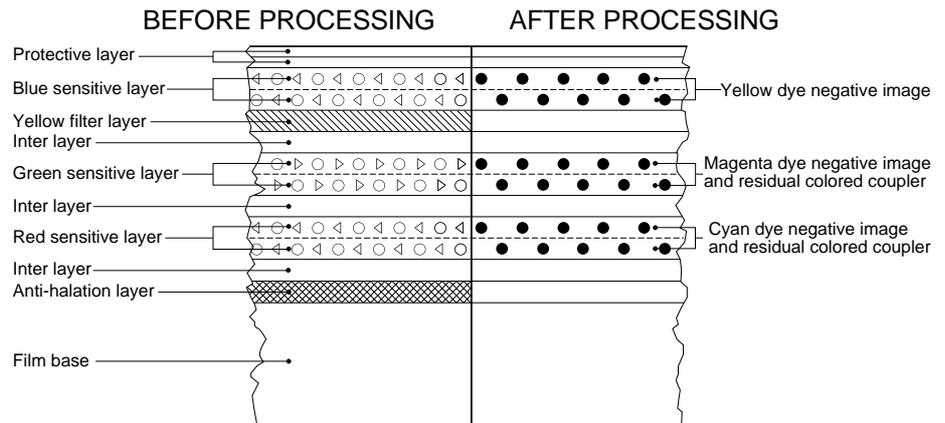


Konica Chrome R-100 Film

FEATURES

Konica Chrome R-100 is an ISO 100/21° color side film balanced for daylight. This film incorporates the "Clean Multi-Crystal Technology" introduced with the Super SR Series color print films. This new technology allows for a dramatic improvement in granularity. Registration of detail in highlights and shadows is significantly better, while gradation is richer, tonalities more natural than ever. Konica Chrome R-100 is designed to offer greater performance stability, so color balance remains excellent even under adverse exposure and processing conditions. These features make this a highly versatile color reversal film suitable for landscapes, portraits and commercial work as well as medical and scientific applications.

LAYER STRUCTURE



FILM BASE

Triacetate base

FILM SIZES AVAILABLE

135 size: 24•36 exp.

FILM SPEED

EXPOSURE CONDITIONS

Konica Chrome R-100 is designed for use with daylight and electronic flash.

While color-balanced for daylight, this film is designed to retain optimum spectral sensitivity and yield satisfactory results when exposed under tungsten or fluorescent light, as well. For best results with these light sources, however, the use of appropriate filters is recommended.

Light Source	ISO Speed	Light Balancing Filter
Daylight or Electronic Flash	100/21°	None
Photolamp (3400K)	32/16°*	Wratten No. 80B
Tungsten (3200K)	25/15°*	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—1/10 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 GUIDE

Exposure time (in seconds)	1/10000—1/10	1
Exposure Compensation	None	+1/2 stop
Color Compensating Filters	None	CC5R

DAYLIGHT EXPOSURE

EXPOSURE GUIDE TABLE: Outdoors under daylight.

Conditions	Bright sunlight (Seascape, Snow)	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	1/250 sec.	1/250 sec.	1/250 sec.	1/250 sec.	1/250 sec.

EXPOSURE

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

No filter required.

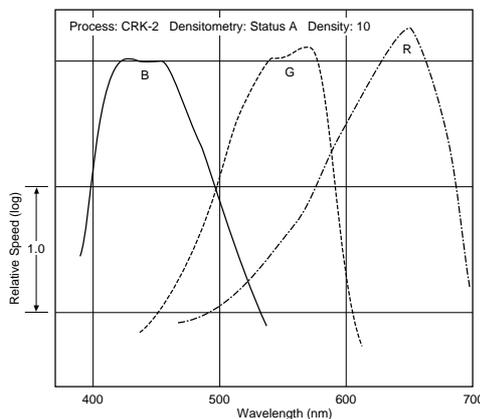
To determine the lens opening, divide the guide number by the flash-to-subject distance. If negatives are over exposed, use a higher guide number; if they're under exposed, use a lower number.

STANDARD PROCESSING

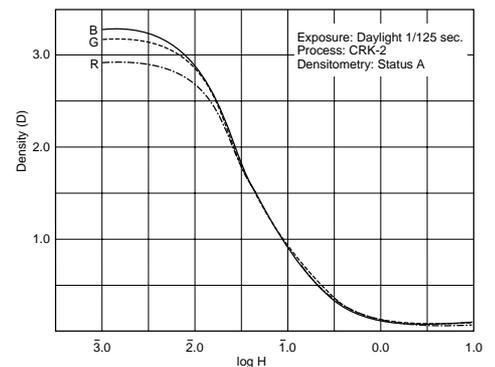
Konica Color Chrome Film Process CRK-2 or Process E-6

SPECTRAL SENSITIVITY • CHARACTERISTIC CURVES

SPECTRAL SENSITIVITY



CHARACTERISTIC CURVES

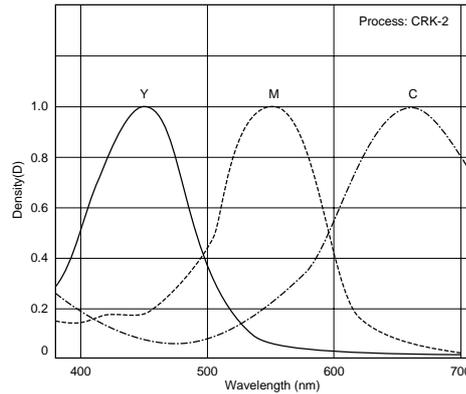


GRANULARITY

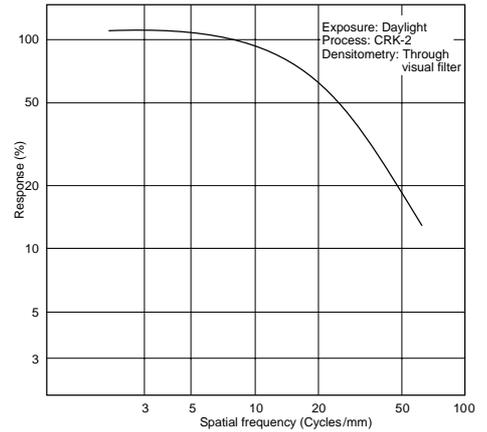
DIFFUSE R.M.S. GRANULARITY: 11
 Magnification: 12X
 Aperture diameter: 48μm
 Diffuse transmission density (NET): 1.0

SPECTRAL DYE DENSITY CURVES·SHARPNESS

SPECTRAL CHARACTERISTIC OF DYES



MODULATION TRANSFER FUNCTION



RESOLVING POWER

Test-Object Contrast 1.6:1— 50 lines/mm
 Test-Object Contrast 1000:1—125 lines/mm

PRECAUTIONS

Konica Chrome R-100 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: Process promptly after exposure to minimize effects of latent image change.
3. STORAGE OF FILM: Keep unused film in a cool, dry place such as a refrigerator. (Storage at below 10°C or 50°F 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.