

KODACOLOR 400 FILM

A high-speed, color negative roll film that can be used with daylight and most types of existing low-level illumination as well as with supplementary flash. It is color-balanced for daylight, blue flashbulbs, and electronic flash, but its special sensitizing characteristics minimize the photographic difference among various light sources so that conversion filters are not necessary to produce pleasing and acceptable color prints. This film is excellent for dimly lighted subjects,

for fast action, for extending the distance range for flash pictures, and for subjects requiring good depth of field or high shutter speeds. For critical use correction filters can be used for photolamp and tungsten illumination. Prints can be made on KODAK EKTACOLOR Papers, KODAK PANALURE Papers, and KODAK EKTACOLOR 74 DURATRANS Print Material. Transparencies can be made on KODAK VERICOLOR Slide Film 5072 and VERICOLOR Print Film.

Speed:

Light Source	ISO	Speed DIN	ASA	KODAK WRATTEN Gelatin Filter
Daylight	400/27°	27	400	None
Photolamp (3400 K)	125/22°	22	125	80B
Tungsten (3200 K)	100/21°	21	100	80A

NOTE: Exposure times longer than 1 second may require an increase in exposure to compensate for the reciprocity characteristics of this film. See the table on page DS-55.

Daylight Exposure Table:

Shutter Speed				
1/500 Second		1/250 Second		
Bright or Hazy Sun on Light Sand or Snow	Bright or Hazy Sun (Distinct Shadows)	Cloudy Bright (No Shadows)	Heavy Overcast	Open Shade
f/16	f/16*	f/8	f/5.6	f/5.6T

°f/8 for backlit close-up subjects.

*Subject shaded from the sun, but lighted by a large area of sky.

Existing-Light Table:

Subject	Shutter Speed	Lens Aperture
Well-lighted interiors	1/30	f/2.8
Dimly lighted interiors (details in dark objects barely visible)	1/30	f/2.0

Electronic and Blue Flash Exposure: No filter required. Guide numbers may be calculated on the basis of the film speed of ASA 400. Determine the f-number by dividing the guide number for your reflector and bulb or electronic flash unit by the distance in feet from the flash to your subject. Use these numbers as guides—if your flash negatives are consistently underexposed, use a lower guide number; if overexposed, use a higher guide number.

Judging Negative Exposures: Use an electronic densitometer equipped with filters such as KODAK Densitometer Filter Set MM (Certified), or with a KODAK WRATTEN Gelatin Filter No. 92 (Red). A properly exposed negative should have red density values approximately equal to those below:

KODAK Neutral Test Card (gray side)
receiving the same illumination
as the subject 0.85 to 1.05

The lightest step (darkest in the negative) of a KODAK Paper Gray Scale receiving the same illumination as the subject 1.35 to 1.55

Processing: KODACOLOR 400 Film is developed by Kodak and other laboratories on orders placed through photo dealers. Some laboratories, including Kodak, also provide direct mail service whereby you can mail exposed film to the laboratory and have it returned directly to you. See your dealer for the special mailing devices required. *Do not mail film without an overwrap or special mailing device intended for this purpose.* KODAK FLEXICOLOR Chemicals for Process C-41, available in kit form (1-pint size) and as individual components in larger sizes, can be used to process this film.

Film Sizes Available: CG110-12, CG110-20, CG135-12, CG135-24, CG135-36, CG120. Size 110 is code 7075, 135 is code 5075, and 120 is code 6075.