KODAK EKTACHROME 400 Film

(Daylight) For Color Slides IN ROLLS AND 135 MAGAZINES

FILM SPEED ASA 400

This very high speed color-slide film is color-balanced for daylight, blue flash, and electronic flash. It is an excellent choice for dimly lighted subjects, for fast action, for extending the distance range for flash pictures, and for subjects requiring good depth of field and high shutter speeds. By obtaining special processing, you can expose the film at ASA 800. See the Processing section.

For maximum speed in low-light conditions, you can expose this film without a light-balancing filter. This will produce a warm or yellow-red result under tungsten lighting, such as household light bulbs, and slightly greenish results under most fluorescent lamps, but you may find it quite acceptable.

Handling and Storage: Load and unload your camera in subdued light. Have the film processed promptly after exposure. Store film and slides in a cool, dry place.

DAYLIGHT PICTURES (at ASA 400)

Exposure Meters or Cameras with Exposure Meters: Set the film-speed dial on your exposure meter or camera at **ASA 400.**

Note: With cameras that do not have a focal-plane shutter, you must use a smaller lens opening than the meter indicates when conditions require high shutter speeds and medium or small lens openings. See footnote in table below.

Setting Cameras Without Exposure Meters:

DAYLIGHT EXPOSURES—EKTACHROME 400 Film (Daylight)
Exposure Settings Are for Focal-Plane Shutters*

Shutter Speed 1/1000 Second	Shutter Speed 1/500 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/5.6

*When using a camera with a leaf-type shutter under lighting conditions that require high shutter speeds and medium or small lens openings (lens openings beginning about midway on your camera's lens-opening scale), reduce exposure as follows: at 1/250 second, use a lens opening ½ stop smaller than indicated; at 1/500 second, use a lens opening 1 stop smaller than indicated.
†f/8 at 1/500 second for backlighted close-up subjects.
‡Subject shaded from the sun but lighted by a large area of sky.

EXISTING-LIGHT PICTURES (at ASA 400)

Use an exposure meter or automatic camera if you have one. For cameras without exposure meters, try the exposure suggested in the table.

Picture Subject	Shutter Speed	Lens Opening
Skylines—10 minutes after sunset	1/60	f/5.6
Interiors with Bright Fluorescent Light*	1/60	f/4
Ice Shows, Circuses—spotlighted acts (carbon arc)	1/250	f/2.8
Home Interiors at Night— Areas with Bright Light	1/30	f/2.8
Areas with Average Light	1/30	f/2
Stage Shows—Average Lighting	1/60	f/2.8
Brightly Lighted Downtown Street Scenes at Night	1/60	f/2.8
Brightly Lighted Nightclub or Theatre Districts at Night—Store Window Displays at Night	1/60	f/4
Neon and Other Lighted Signs at Night	1/125	f/4
Floodlighted Buildings, Fountains, Monuments	1/15†	f/2
Christmas Lighting, Trees—indoor and outdoor	1/15†	f/2
Fairs, Amusement Parks at Night	1/30	f/2.8
Night Football, Baseball, Racetracks	1/125	f/2.8

*May require corrective camera filters for optimum results. For filter information, write to Kodak, Dept. 841C, Rochester, New York 14650.
†Use a camera support for exposure times longer than 1/30 second.
Tungsten light produces yellow-red color rendition.

FILTERS

For This Purpose	Use Filter	Film Speed
To reduce bluishness in pictures taken on overcast days, in the shade, or from airplanes	Skylight—No. 1A	ASA 400 (no change)
For photolamps 3400 K	No. 80B	ASA 125
For tungsten lamps 3200 K	No. 80A	ASA 100

Note: If your camera has a built-in exposure meter which makes the reading through a filter used over the lens, see your camera manual for exposure with filters.

FLASH PICTURES (at ASA 400)

Use Blue Flashbulbs or Flashcubes: Determine the *f*-number for average subjects by dividing the guide number for your reflector and flashbulb by the distance in feet from the flash to your subject.

GUIDE NUMBERS FOR BLUE FLASHBULBS

Type of Reflector	Flashbulb	Shutter Speed: X Sync 1/30	M Synchronization 1/30	1/60	1/125	1/250
	Flashcube	180	120	120	100	75
	HI-POWER FlashCube	260	170	170	140	110
	AG-1B	130	90	90	75	65
	AG-1B	180	130	130	110	90
	M2B	170	NR	NR	NR	NR
*	AG-1B	260	180	180	150	130
	M2B	240	NR	NR	NR	NR
	M3B, 5B 25B	260	240	220	180	150
	6B,† 26B†	NR	260	180	120	85
*	M3B, 5B, 25B	360	340	320	260	220
	6B,† 26B†	NR	360	260	170	120

*Polished bowl. †Bulbs for focal-plane shutter. NR—Not Recommended.

WARNING: Bulbs may shatter when flashed; use a flashguard over your reflector. *Do not use flash in an explosive atmosphere.* See flashbulb manufacturer's instructions.

ELECTRONIC FLASH (at ASA 400)

Use this table with electronic flash units rated in beam candlepower seconds (BCPS). To determine the *f*-number, divide the guide number for your flash unit by the distance in feet from the flash to your subject.

Output of Unit—BCPS	350	500	700	1000	1400	2000	2800	4000
Guide Number*	85	100	120	140	170	200	240	280

*If your slides are consistently too blue, use a No. 81B filter and increase your exposure by ⅓ stop.

PROCESSING

Laboratory Processing: Have the film processed promptly after exposure. Return the film to your dealer for processing by Kodak or another laboratory, or mail it directly with the appropriate processing mailer.

For half-frame (18 x 24 mm) or stereo mounting of 135 film, or to have your film returned as an uncut strip without mounting, see your photo dealer. (There is usually an extra charge for half-frame or stereo mounting.)

Special Processing for Increased Film Speed: You can increase the speed of this film to 2 times normal, ASA 800, by obtaining special processing from Kodak. Use the KODAK Special Processing Envelope, ESP-1, sold by photo dealers. The cost of the ESP-1 Envelope is in addition to the regular charge for KODAK EKTACHROME Film processing. Follow the instructions and exposure recommendations included with the envelope. Other laboratories may also provide special processing to obtain various film speeds.

Exposing and processing the film at speeds other than the normal speed will result in some reduction in photographic quality.

Film price does not include processing by Kodak.

READ THIS NOTICE: The return of any film or print to us for processing or any other purpose will constitute an agreement by you that if any such film or print is damaged or lost by us or any subsidiary company it will be replaced with an equivalent amount of unexposed Kodak film and processing. Except for such replacement, the handling of such film or prints by us is without warranty or liability even though damage or loss is caused by negligence or other fault.

To Process the Film Yourself: You can use the KODAK EKTACHROME Film Processing Kit, Process E-6, sold by photo dealers. By changing the first development time you can increase the speed of the film to 2 times normal, ASA 800. See the instructions that come with the processing kit.

More Information: If you have questions about this film, write to Eastman Kodak Company, Dept. 841C, at the address below. See your dealer for a wide selection of Kodak photo books.

Consumer Markets Division Kodak **Rochester, New York 14650**

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