

KODAK EKTACHROME 64 Professional Film 6117 (Daylight)

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ENGLISH

- A color reversal film for producing color transparencies.
- Color-balanced for exposure to daylight, electronic flash, or blue flashbulbs without filters.
- The EKTACHROME Film transparencies are suitable for direct viewing, or printing by photomechanical methods or by photographic methods described in Kodak Publication No. E-77, *KODAK Color Films*.
- The transparencies are balanced for direct viewing using the standard 5000 K source adopted by the American National Standards Institute.

Important: These instructions are based on average emulsions used under average conditions. Supplementary information for the specific emulsion number of film in this package is given at the bottom of this page.

EXPOSURE

ISO 64/19°

ASA 64/19 DIN

Speed:

Light Source	KODAK WRATTEN Filter	Speed		
		ISO	ASA	DIN
Daylight	None	64/19°	64	19
Photolamp (3400 K)	80B	20/14°	20	14
Tungsten (3200 K)	80A	16/13°	16	13

These speed numbers are for use with meters and cameras marked for ISO, ASA, or DIN speeds or exposure indexes.

Note: ISO (International Standards Organization) film-speed numbers are given in anticipation of future worldwide use.

Daylight Exposure Table: For average frontlighted subjects in daylight from 2 hours after sunrise to 2 hours before sunset.

Lens Opening with Shutter at 1/125 Second				
Bright or Hazy Sun on Light Sand or Snow	Bright or Hazy Sun (Distinct Shadows)*	Weak, Hazy Sun (Soft Shadows)	Cloudy Bright (No Shadows)	Open Shade† or Heavy Overcast
<i>f</i> /16	<i>f</i> /11	<i>f</i> /8	<i>f</i> /5.6	<i>f</i> /4

*With backlighted close-up subjects, use *f*/5.6.

†Subject shaded from sun but lighted by a large area of clear, unobstructed sky.

Supplementary Information

The following information, determined at the time of manufacture, applies specifically to film bearing the emulsion number given. Use this information only as a guide for making test exposures when exposure and color-balance requirements are critical. From this test determine, what additional filtration and exposure adjustments, if any, are needed for best results.

EMULSION NUMBER **6117-428**

EFFECTIVE SPEED **ASA 64**

Correction for Reciprocity Effect: At the exposure times indicated below, compensate for the reciprocity characteristics of this film by increasing the exposure and using KODAK Color Compensating (CC) Filters as suggested.

Exposure Time	1/10,000 Second	1/1000 Second	1/100 Second	1/10 Second	1 Second	10 Seconds	100 Seconds
Suggested Exposure Increase	None	None	None	None	½	1½	NR*
Suggested KODAK CC Filters	None	None	None	None	10M	15M	NR*

*Not recommended

Note: The above information applies only when the film is exposed to daylight illumination. The data is based on average emulsions and normal recommended processing. The adjustments are subject to change due to normal manufacturing variations and film storage conditions after the film leaves the factory.

Light Sources: In general, best color rendering is obtained in clear or hazy sunlight. Other light sources may not give equally good results, even with the most appropriate filters.

To minimize the bluish cast sometimes evident in pictures taken in open shade, use a KODAK Skylight Filter which requires no increase in exposure. This filter is also useful for reducing bluishness in pictures taken on an overcast day, aerial photographs, distant scenes, mountain views, and sunlit snow scenes.

Electronic Flash Guide Numbers: This table is intended as a starting point in determining the correct guide number. Divide the proper guide number by the flash-to-subject distance in feet or metres to determine the *f*-number for average subjects.

Output of Unit (BCPS)	350	500	700	1000	1400	2000	2800	4000	5600	8000	
Guide Numbers For Trial*	Feet	32	40	45	55	65	80	95	110	130	160
	Metres	10	12	14	17	20	24	29	33	40	50

*If your transparencies are consistently too blue, use a KODAK CP10Y or CP20Y Filter over the flash unit or a CC10Y or CC20Y Filter over the camera lens. Increase the exposure by ½ stop unless your flash unit makes automatic allowance for a filter over the flash tube.

Handling and Storage: Handle this film in total darkness.

Unexposed film should be kept in a refrigerator at 13°C (55°F), or lower, in the original sealed package. To avoid moisture condensation on film that has been refrigerated, allow the film to warm up to room temperature before opening the package. Store exposed film in a cool, dry place. The film should be processed as soon after exposure as possible. Protect processed film from strong light, and store it in a cool, dry place. For more information, write Eastman Kodak Company, Department 412-L, Rochester, New York 14650, and ask for a single copy of *Storage and Care of KODAK Color Materials*, Kodak Publication No. E-30.

Processing: The film described herein should be processed only in Process E-6 chemicals.

Printing EKTACHROME Transparencies: Duplicate color transparencies can be made by direct-printing or enlarging onto KODAK EKTACHROME Duplicating Film 6121 (Process E-6).

Color prints can be made by printing internegatives onto KODAK EKTACOLOR 74 RC or 78 Paper, or by printing transparencies onto KODAK EKTACHROME 2203 Paper or by the dye transfer process.

Information on viewing transparencies on a 5000 K standard illuminator (ANSI Standard PH2.31-1969), on color-balance and speed characteristics, and on storage and care of this film is given in Kodak Publication No. E-77, *KODAK Color Films*, sold at photo dealer's.

The Kodak materials described in this publication for use with KODAK EKTACHROME 64 Professional Film (Daylight) are available from those dealers normally supplying Kodak materials. Equivalent materials may be used if desired.

Read This Notice: This film will be replaced if defective in manufacture, labeling, or packaging. Except for such replacement, the sale or any subsequent handling of this film is without warranty or liability even though defect, damage, or loss is caused by negligence or other fault. Since color dyes may in time change, this film will not be replaced for, or otherwise warranted against, any change in color.

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