

KODAK Recording Film 2475 (ESTAR-AH Base)

This is a very high-speed, coarse-grain panchromatic film with extended red sensitivity for use in 35 mm cameras. It is intended for photography in low levels of existing light or when very fast shutter speeds coupled with small apertures must be used. This film is especially useful for indoor sports photography, available-light press photography, surveillance photography, and in other situations where you cannot use flash.

Size Available: 135-36 magazines and 35 mm long rolls (perforated).

Speed: EI 1000 to 4000, for exposure meters marked for ISO film speeds. For low-contrast scenes, you can use an exposure index of 1600 with normal development. As a starting point for surveillance photography, set the meter to EI 3200 and develop the film for 8 minutes in Developer DK-50 at 68°F (20°C).

Safelight: Handle in total darkness.

Emulsion Characteristics

Grain: Coarse.

Degree of Enlargement: Low.

Resolving Power

High Contrast: 63 lines/mm (Medium)

Low Contrast: 32 lines/mm

Color Sensitivity: Panchromatic with extended red sensitivity.

Reciprocity Effect Adjustments:

Indicated Exposure Time (Seconds)	Use Either		Contrast Change*
	This Lens Aperture Or Adjustment	This Adjusted Exposure Time (Seconds)	
1/10 and faster	None	No Adjustment	None
1	+1/2	1.6	+10%
10	+1 1/2	25	+20%
100	+2 1/2	500	+30%

*Developing time can be reduced to compensate for increased contrast.

Light Source	KODAK WRATTEN Gelatin Filters							Polarizing Screen
	No. 6	No. 8	No. 11	No. 15	No. 25	No. 47	No. 58	
Daylight	1.5	2*	6	2	3	6	10	2.5
Tungsten	1.2	1.2	6*	1.5	2	16	12	3

*For a correct gray-tone rendering of colored objects.

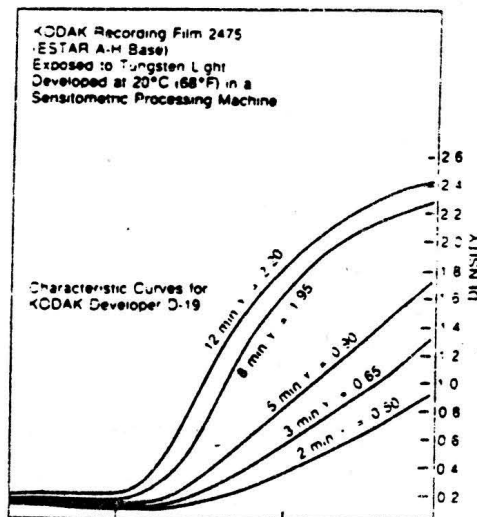
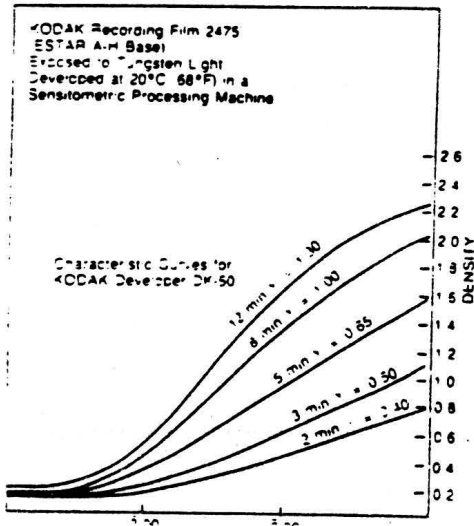
Filter Factors: Because of the extended red sensitivity, some factors for this film differ from those given in the Color Filter Circle in the text pages. Multiply the normal exposure by the factor shown in the table below.

Development: Develop at approximate times and temperatures given below. Times are for small tanks with agitation at 30-second intervals. Times given in the lower half of the table are the extended times. Use fresh developer only; partially exhausted developer may produce a deposit of dichroic fog.

KODAK Developers	Developing Times (Minutes)					
	65°F (18°C)	68°F (20°C)	70°F (21°C)	72°F (22°C)	75°F (24°C)	85°F (29°C)
Average Subjects						
DK-50	7	6	5	4 1/4*	4*	2 1/2*
HC-110 (Dil A)	5 1/2	4 1/2*	4*	3 1/2*	3*	2*
HC-110 (Dil B)	11	9	8	7	6	3*
Low-Contrast Subjects						
DK-50	10 1/2	9	8 1/2	7 1/2	6 1/2	3 3/4*
HC-110 (Dil A)	9 1/2	8	7 1/2	6 1/2	5	2 1/4
HC-110 (Dil B)	17	15	12	11	10	6

*Avoid development times of less than 5 minutes, because poor uniformity may result.

Characteristic Curves



Time Gamma Curves

