KODAK VERICOLOR Slide Film

—NOTICE—
These films are discontinued.

KODAK VERICOLOR SLIDE FILM / 5072 (Rolls)

KODAK VERICOLOR Slide Film is intended for producing same-size positive transparencies from color negatives or for making reduced-size transparencies from larger negatives. You can use this film for professional and photofinishing applications with contact-printing or copying and duplicating equipment. You can also use this film to copy black-and-white line art to make reverse-text slides or crop negatives to make tighter composition on transparencies.

This film is coated on an acetate base, and is available in 35 mm x 100-foot rolls (5072 Film) and 135-36 rolls (SO-279 Film). You can mount it in standard 2 x 2-inch slide mounts or use it uncut as film strips.

Process KODAK VERICOLOR Slide Film in KODAK FLEXICOLOR Chemicals for Process C-41.

SIZE AVAILABLE

KODAK VERICOLOR Slide Film / 5072

Rolls (mm x ft)	Spec No.	Acetate Base	CAT No.
35 x 100 ft, perf	VS 663	5-mil (0.13 mm)	122 1217

STORAGE AND HANDLING

High temperatures or high humidities may produce undesirable changes in VERICOLOR Slide Film. Store unexposed film at 13°C (55°F) or lower in the original sealed package. To prevent condensation on film that has been refrigerated, allow the film to warm up to room temperature before you open the package.

Use the film as soon as possible after purchase, and before the expiration date. For consistent results, use the same handling procedures between exposure and processing. Keep exposed film cool and dry, and process it as soon as possible after exposure. If processing must be delayed, you can minimize changes in the latent image of KODAK VERICOLOR Slide Film by storing it in a moistureproof container and freezing it before processing. Allow the film to warm up to room temperature before you process it.

Store processed film at 21°C (70°F) or lower at a relative humidity below 50 percent. For information on long-term storage, see KODAK Publication No. E-30, *Storage and Care of KODAK Films and Papers—Before and After Processing.*

Note: When you use KODAK VERICOLOR Slide Film for reverse-text slides, and exact color reproduction is not critical, you do not have to freeze the exposed film if you process it within 7 days.

DARKROOM RECOMMENDATIONS

Do not use a safelight. Handle unprocessed film in total darkness.

EXPOSURE

Equipment

Expose this film with optical- or contact-printing equipment. For large-scale production, you can use printers and copying equipment modified for production applications.

Use exposing equipment that has a tungsten-halogen (3200 K) light source, a heat-absorbing glass, an ultraviolet absorber (such as a KODAK WRATTEN Gelatin Filter No. 2B or a KODAK Color Printing Filter CP2B), and built-in dichroic filters.

Printing Color Negatives and Internegatives

KODAK VERICOLOR Slide Film is intended for exposure times of ¼ second to 8 seconds. Set the illumination level at the exposure plane to 16 footcandles (172 lux) without a negative or filters in the light beam. Use an initial exposure time between 1 and 4 seconds.

To print negatives made on Kodak color films onto VERICOLOR Slide Film, use a starting filter pack of 20M + 30Y. Negatives made on daylight-balanced films exposed with tungsten light will require more yellow filtration.

The filter pack is based on average emulsions of KODAK VERICOLOR Slide Film. See the film carton for supplementary information on each emulsion. This information includes starting filter-pack and aperture adjustments. The aperture adjustment includes the exposure adjustment required for the filters.

Because of the variables involved in producing internegatives from different types of transparency films, make tests to determine the best filter pack for printing internegatives onto KODAK VERICOLOR Slide Film. Start with a filter pack that produces successful results in printing original camera negatives and adjust filtration and exposure as required.

Making Reverse-Text Slides

You can use KODAK VERICOLOR Slide Film to produce reverse-text slides with white or near-white letters on a dark or colored background. To make a reverse-text slide, photograph dark letters on white background with color compensating filters over the lens. For backgrounds of various colors, use the filters and exposures given in the tables below.

Use a 3200 K light source. To determine the shutter speed and lens aperture for exposure, use an incident-light meter set at the exposure index indicated below. When you add the filters in front of the camera lens, increase the exposure as shown in the tables. Make an exposure series of at least ±1 stop in ½-stop increments. Keep the exposure time between 1 and 8 seconds.

Note: Reverse-text slides exposed with KODAK WRATTEN Gelatin Filters usually have more saturated colors than slides made with KODAK Color Compensating Filters.

Using KODAK WRATTEN Gelatin Filters

Use an Exposure Index (EI) of 8 with no filters over the light source. Place the WRATTEN Gelatin Filter over the lens.

Background Color in Slide	KODAK WRATTEN Gelatin Filter No.	Exposure Adjustment*
Red-brown	None	0
Purple	12 (deep yellow)	2 stops
Dark blue	12 + 85B (deep yellow + amber)	2 stops
Cyan	29 (deep red tricolor)	4 stops
Dark green	34A (violet)	4 stops
Red	38A (blue)	4 stops
Orange	44 (light blue-green)	4 stops
Dark Yellow	47 (blue tricolor)	4 stops
Magenta	61 (deep green tricolor)	4 stops

* You can increase exposure by extending the exposure time, as long as it does not exceed 8 seconds.

Using Color Compensating Filters

Use an Exposure Index (EI) of 2 with a filter pack of CP60R + CP50 *over the light source.* Place the color-compensating filters over the lens.

Background Color in Slide	KODAK Color Compensating Filter	Exposure Adjustment*
Magenta	75G	1 stop
Blue	50R + 50Y	1½ stops
Cyan	70R + 05Y	0
Dark green	50M	1 stop
Yellow-orange	90B + 40C	2 stops
Dark red	Remove the CP filter pack from the light source. Add 90C + 20G in front of the lens.	0

* You can increase exposure by extending the exposure time, as long as it does not exceed 8 seconds.

PROCESSING

Process KODAK VERICOLOR Slide Film in KODAK FLEXICOLOR Chemicals for Process C-41. **Do not** process this film in washless minilab process cycles, i.e., Process C-41B and C-41RA. This film is of an older design that requires a stabilizing agent for image stability. Process this film only in a processor that uses KODAK FLEXICOLOR Stabilizer III and Replenisher.

For information on processing, see KODAK Publication No. Z-131, *Using KODAK FLEXICOLOR Chemicals.*

KODAK VERICOLOR PRINT FILM / 4111 (Sheets)

KODAK VERICOLOR Print Film is intended for producing positive transparencies from color negatives and internegatives for displays or photo mechanical reproduction. This film has a dimensionally stable 7-mil ESTAR Thick Base with a retouching surface on both sides.

SIZES AVAILABLE

KODAK VERICOLOR Print Film / 4111

Rolls (in. x ft)	Spec No.	ESTAR Thick Base	CAT No.
40 x 100	351	7-mil (0.18 mm)	122 2223
50 x 100			122 2249

Sheets	Size (Inches)	ESTAR Thick Base	CAT No.
10	4 x 5	7-mil (0.18 mm)	122 1357
10	8 x 10		122 1373
50	8 x 10		122 1399
50	10 x 10		122 1415
10	11 x 14		122 1431
10	20 x 24		122 1472

STORAGE AND HANDLING

High temperatures or high humidities may produce undesirable changes in these films. Store unexposed film at 13°C (55°F) or lower in the original sealed package. To prevent condensation on film that has been refrigerated, allow the film to warm up to room temperature before you open the package.

Use the film as soon as possible after purchase, and before the expiration date. For consistent results, use the same handling procedures between exposure and processing. Keep exposed film cool and dry, and process it as soon as possible after exposure.

Store processed film at 21°C (70°F) or lower at a relative humidity below 50 percent. For information on long-term storage, see KODAK Publication No. E-30, *Storage and Care of KODAK Films and Papers—Before and After Processing.*

Note: You can freeze exposed KODAK VERICOLOR Print Film to minimize changes. If you cannot process this film within 4 hours after exposing it, store it in a moistureproof container and freeze it to avoid changes in the latent image. Allow the film to warm up to room temperature before you process it.

DARKROOM RECOMMEDATIONS

Do not use a safelight. Handle unprocessed film in total darkness.

EXPOSURE

Equipment

Use exposing equipment that has a tungten-halogen (3200 K) light source, a heat-absorbing glass, and untraviolet-absorbing filter (such as a KODAK WRATTEN Gelatin Filter No. 2B or a KODAK Color Printing Filter CP2B), and built-in dichroic filters.

Printing Color Negatives and Internegatives

KODAK VERICOLOR Print Film is intended for exposures times of 1 to 20 seconds. Set the illumination at the exposure plane at 2 footcandles (22 lux) without a negative or filters in the light beam. Use an initial exposure time between 1 and 15 seconds.

To print negatives made on Kodak color films onto VERICOLOR Print Film, use a starting filter pack of 20M + 30Y. Negatives made on daylight-balanced films exposed with tungsten light will require more yellow filtration. Push processed negatives may require a different filter pack.

These filter packs are based on average emulsions of VERICOLOR Print Film. See the film carton for supplementary information on each emulsion. The information lists filter and includes aperture adjustments for times of 10 and 120 seconds. The aperture adjustment includes the exposure adjustment required for the filters.

Use these recommendations as a guide for making trial exposures. For best tone rendering and color balance, make a test transparency from each type of film negative. View the test tranparencies on a illuminator that has the same color quality and brightness as the illuminator you will use to display or view the finished transparencies.

Because of the variables involved in producing internegatives from different types of transparency films, make test to determine the best filter pack for printing internegatives onto KODAK VERICOLOR Print Film. Start with a filter pack that produces successful results in printing original camera negatives and adjust filtration and exposure as required.

PROCESSING

Process KODAK VERICOLOR Print Film in KODAK FLEXICOLOR Chemicals for Process C-41. **Do not** process this film in washless minilab process cycles, i.e., Process C-41B and C-41RA. This film is of an older design that requires a stabilizing agent for image stability. Process this film only in a processor that uses KODAK FLEXICOLOR Stabilizer III and Replenisher.

For information on processing, see KODAK Publication No. Z-131, *Using KODAK FLEXICOLOR Chemicals* at **www.kodak.com/go/photochemicals**.

RETOUCHING

Use KODAK E-6 Transparency Retouching Dyes or KODAK Liquid Retouching Colors to retouch transparencies made on KODAK VERICOLOR Print Film.

Note: Although both types of dyes will produce a good visual match, neither will perfectly match the image dyes of KODAK VERICOLOR Print Film; therefore, you may notice a slight mismatch in photomechanical reproductions of the transparencies. Also, when retouched transparencies are used in displays for an extended period of time, the retouching dyes and image dyes may not change a the same rate.

MORE INFORMATION

Kodak has many publications to assist you with information on Kodak products, equipment, and materials.

The following publications are available from Kodak customer service, or from dealers who sell Kodak products, or you can contact Kodak in your country for more information.

E-30	*Storage and Handling of KODAK Films and Papers—Before and After Processing*
Z-131	*Using KODAK FLEXICOLOR Chemicals*

Note: The Kodak materials described in this publication for use with KODAK VERICOLOR Films are available from dealers who supply KODAK PROFESSIONAL Products. You can use other materials, but you may not obtain similar results.

Kodak Professional

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