

Fujicolor Negative Film REALA 500D

35mmType 8592/16mmType 8692

The World's First Motion Picture Film to Incorporate Fujifilm's 4th Color Layer

The growing use of HMI lighting means ever greater performance demands for daylight balanced film. Fujicolor leads the way, with the development of REALA 500D high-speed (E.I.500) daylight-type motion picture film. As the world's first to feature the 4th Color Layer that revolutionized the performance of Fujifilm's still films, REALA 500D sets new standards of cinematographic quality for daylight-type motion picture film.

The World's First High-speed (E.I. 500) Daylight-type Motion Picture Film

This revolutionary new film is exceptionally versatile. Effective for shooting productions that make heavy use of HMI lighting, its high sensitivity to light also makes it suitable for high-speed (slow motion) cinematography and for use with stopped-down zoom lenses. It also excels in underwater shoots. Despite its high speed, REALA 500D ensures superb image quality by minimizing burned-out highlights and blocked shadows.

4th Color Layer for Natural, Faithful Color Reproduction

REALA 500D is the world's first motion picture film to use Fujifilm's exclusive 4th Color Layer emulsion technology. The addition of a color-sensitive layers ensures faithful reproduction of colors as violet are faithfully rendered. The subtle shades of green in natural foliage are reproduced accurately, giving filmed images a natural depth and dimension.

Smooth, Lifelike Skin-tones

Delicate skin tones are captured beautifully, without sacrificing texture. Highlights are natural and dark areas show no reddish tones. Skin tones are rendered naturally and subtly under a wide variety of filming conditions.

Outstanding Performance in Mixed Lighting

REALA 500D performs exceptionally under mixed lighting. When shooting interiors by a window under fluorescent lighting or using mercury vapor lights, the resulting images are virtually free of any greenish cast. This versatility minimizes the need for special filters and extra shooting preparations.

Excellent Telecine Transfer Characteristics for High-quality Video

REALA 500D's high speed means it captures even shadow information with great subtlety and detail. This makes it ideal for conversion into digital image data. New Fujicolor REALA 500D also features smooth transitions from highlights to shadows. The result is high-quality, high-resolution digital image data.

Sharp, Fine-grain Texture

Despite its E.I.500 speed, REALA 500D delivers smooth, fine-textured grain, thanks to Fujifilm's proprietary emulsion technology. Excellent sharpness ensures high image quality under a wide variety of shooting conditions.

Exposure Index

Daylight-----500

3200K tungsten lamps----125 (with Fuji Light Balancing Filter LBB-12 or Kodak Daylight Filter No.80A)

These numbers are appropriate for use with exposure meters marked for ISO/ASA speeds. It should be noted, however, that the recommended exposure index may not apply exactly due to differences in processing, the usage of exposure meters, or other conditions. For best results it is recommended that test exposures be made prior to use, referring to instructions for the exposure meter used.

Color Balance

This film is color-balanced for exposure to daylight. For other light sources, use the conversion filters in the table below.

Light Source	Filter	Exposure Index
Day Light (Sunlight+Skylight)	None	500
Tungsten Light	Fuji filter LBB-12 or Kodak Daylight Filter No.80A	125
Metal Halide Lamps (e.g.,HMI)	None	500
Ordinary Fluorescent Lamps White Light Type	None	500
Daylight Type	None	500
Three-band Fluorescent Lamps White Daylight Type (5000K)	None	500

The filter recommendations should provide approximate color conversion. Final color correction should be made at the time of printing.

Reciprocity Characteristics

No filter correction nor exposure adjustments needed for shutter speeds of 1/1000 to 1/10 second. When the exposure time is 1 second, use 1/3 stop larger lens opening.

Edge Markings

MR code system [Key number, film identification mark (FN92), and machine-readable bar code for each; film name FUJI 500D, emulsion number, roll number, frame marks (4 perforations apart for 35mm film, no frame marks for 16mm film), etc.] is printed as latent images.