

# Fujicolor Negative Film ETERNA250

35mm Type 8553/16mm Type 8653

## Expanded latitude produces significantly enhanced shadow detail

*Warm colors and smooth, consistent gradation produce extremely natural facial tones. Highly suitable for telecine transfer, ETERNA250 also intercuts seamlessly with high-speed ETERNA500.*

### **Ample Sensitivity, Enhanced Ability to Render Shadow Detail**

Incorporation of Fujifilm's Super Nano-structured Grain boosts sensitivity, producing expanded latitude and exceptional grain, and giving these films significantly enhanced ability to render shadow detail.

### **Atmospheric Color**

Characterized by subtle palette with restrained saturation, these films excel in reproducing attractive smooth, natural skin tones.

### **Improved Intercutability**

Because they share the same palette and gradation characteristics as ETERNA500, these films facilitate intercutting with negatives from different stock, creating seamless images as required for motion picture production.

### **Exceptional Grain**

Super Nano-structured Grain Technology produces exceptionally fine grain, ensuring superb image quality in a variety of scenes and situations.

### **Superb Sharpness**

In addition to Super Nano-structured Grain Technology, ETERNA250 incorporates Super-Efficient DIR-Coupler Technology, for significantly enhanced sharpness. Sharpness balance has been improved to eliminate noise generated during the film scanning process.

### **Three Technologies Achieve Dramatic Image Quality**

#### • **Super Nano-structured Grain Technology**

Fujifilm has developed a new technology that precisely controls the light-sensitive structure of the silver-halide grain to nanoscale, resulting in extremely fine grain. Photos generated by exposure to light are concentrated in the photosensitive nucleus via electron accumulators. The grain is designed with a precise electron accumulator structure that efficiently concentrates photons to form the latent image. The grain configuration is precisely engineered to a thickness that minimizes reflections, effectively limiting light scatter and boosting sharpness. This technology makes it possible to reduce the volume of the grain to approximately 1/3 the size of previous color negative films with the same speed.

#### • **Super-Efficient DIR-Coupler Technology**

Existing DIR Couplers, which control the image formation process by releasing development inhibitors during development, produce improved definition and color reproduction. Now, a new DIR coupler has been developed to work effectively with the new Nano-structured Grain, resulting in further enhancements in color and sharpness.

### • Super-Efficient Coupler Technology

A new yellow coupler has been developed for enhanced color formation effect during processing. This highly efficient color formation makes it possible to create a thinner layer of emulsion, minimizing dispersion of light and creating crisp, clear images with little distortion.

### **Exposure Index**

Tungsten light (3200K)-----250

Daylight-----160 (with Fuji Filter LBA-12 or Kodak Daylight Filter No.85)

Numbers are for use with exposure meters marked for ISO/ASA speeds. Please note, however, that recommended exposure indexes may not apply due to differences in exposure meters, how they are used, and processing conditions. For best results, test exposure should be made based on instructions for the exposure meter to be used.

### **Color Balance**

ETERNA250 is color-balanced for tungsten light (3200K), eliminating the need for filters in these conditions. When shooting under other light sources, use the conversion filters and exposure adjustments listed below.

Light Source	Filter	Exposure Index
Tungsten Light (3200K)	None	250
Daylight (sunlight +skylight)	Fuji Filter LBA-12 or Kodak Filter No.85	160
Metal Halide Lamps (e.g.,HMI)	Fuji Filter LBA-12 or Kodak Filter No.85	160
Ordinary Fluorescent Lamps (White Light Type)	Fuji Filter CC-30R or Kodak Filter CC30R	125
(Daylight Type)	Fuji Filter LBA-12 or Kodak Filter No.85	160
Three-band Fluorescent Lamps White Daylight Type (5000K)	Fuji Filter CC-30R or Kodak Filter CC30R	125
Daylight Type (6700K)	Fuji Filter CC-40R or Kodak Filter CC40R	100

These filter recommendations will provide approximate color temperature conversion. Final color correction should be done during printing.

### **Reciprocity Characteristics**

ETERNA250 requires not filter corrections or exposure adjustments for shutter speeds of 1/1000 to 1/10 seconds. For exposures of 1 second, open the lens 1/3 of a stop.

### **Edge Markings**

MR code system [edge number, film identification mark (FN52), and their machine-readable bar codes, film name (FUJI250), emulsion number, roll number, frame marks (5 perforations apart for 65mm film; 4 perforations apart for 35mm film; no frame marks for 16mm film)] printed as latent images.