LEICA **MONOPAN 50**

Technical Data.

35 mm format film	**LEICA MONOPAN 50**
Order No.	14717
Type	Black-and-white 35 mm film, super-panchromatic with high resolution and ultra-fine grain
Characteristics	Fine-grain black-and-white 35 mm film with super-panchromatic sensitization Through targeted adjustments, the film combines extremely fine grain with super-panchromatic sensitization, achieving the highest resolution and exceptional tonal reproduction. This film is particularly suitable for Leica high-performance lenses. Due to its enhanced spectral sensitivity, Leica Monopan 50 is also an excellent choice for infrared photography. It pairs perfectly with Leica color filters (yellow, orange, and green, https://leica-camera.com/en-US/photography/lens-filters/colour-filters), offering creative opportunities for producing high-contrast images.
Number of frames	36
ISO range	50/18°
Sensitization	Super-panchromatic up to 780 nm
Resolution	Up to 280 lp/mm at an object contrast of 1000:1
Carrier layer	0.1 mm
Film structure	Anti-halation layer between the film layer and the carrier layer
Exposure recommendation	☼ F2.8 - 1/1000" ⛅ F2.0 - 1/1000" ☁ F1.4 - 1/1000" 🏠 F0.95 - 1/1000"
Schwarzschild correction	**Exposure time** / **Exposure compensation** 1/2 s / +1/3 aperture stop 1 s / +1/3 aperture stop 2 s / +1/2 aperture stop 4 s / +1/2 aperture stop 8 s / +2/3 aperture stop 15 s / +1 aperture stop 30 s / +1 1/3 aperture stop
Film change recommendation	Due to its high sensitivity, it is recommended to change the film in low light.

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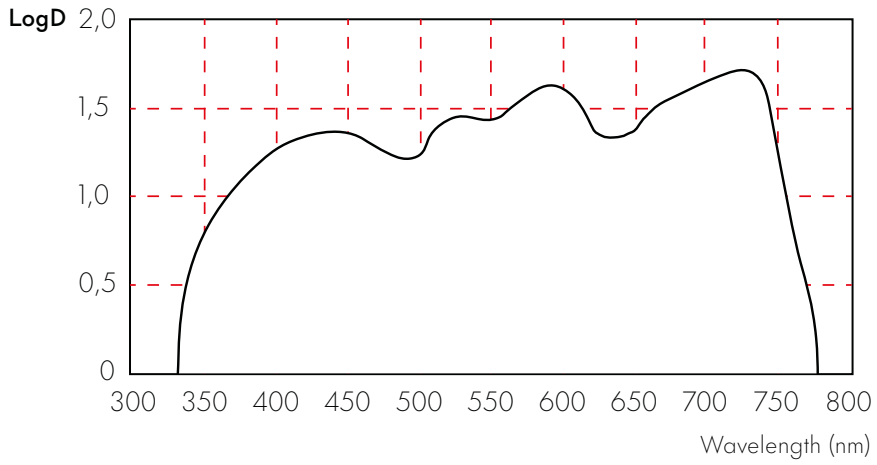
Developing

Developer	Temperature	Dilution	Developing time	Contrast value (Gamma)	Sensitivity	Agitation interval
ADOX ATOMAL	20°C	Stock solution	8 min 30 s	0.65	—	Standard agitation interval as described above
ADOX FX-39	20°C	1+9	7 min 15 s	0.65	—	Standard agitation interval
ADOX HR-DEV	22°C	1+49	11 min	Normal contrast (N)	50 ASA / 18° DIN	Agitate continuously for 30 seconds, then agitate once every 60 seconds
ADOX HR-DEV	22°C	1+49	13 min	Increased contrast (N+0.5)	80 ASA / 19° DIN	Agitate continuously for 30 seconds, then agitate once every 60 seconds
Ilford DDX	20°C	1+4	7 min 30 s	0.65	—	Standard agitation interval
Kodak XTol	20°C	1+1	9 min 30 s	0.65	50 ASA / 18° DIN	Standard agitation interval

Notes
- Agitate continuously for the first 30 seconds, then gently agitate for the first 10 seconds of each minute.
- Developers that are not recommended are either incompatible or produce unreliable results with this film.

COLOR SPECTRAL SENSITIVITY



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