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ORTHO 25

Extremely high resolving power, suited for general graphic purposes

The ROLLEI ORTHO 25 is a technical, steeply working monochrome photographic film with a nominal sensitivity of ISO 25/15°. The ROLLEI ORTHO 25 is characterized by a high sensitivity reserve of up to two f-stops, depending upon development. The document emulsion offers an extraordinary sharpness extreme fine grain. The ROLLEI ORTHO 25 is suitable very well for technical-scientific applications and as a half-tone film in the pictorial photography. The highly clear transparent PET substrate opens the possibility of application as b&w slide film also.

Properties:

- orthochromatic sensitised with low speed ISO 25/15;
- spectral sensitivity 380 – 610nm;
- special coating for an improvement of the transport properties of the cameras;
- suitable for daylight and tungsten;
- polyester base support guarantees the highest level of archive stability (LE 500);
- excellent resolving power of 330 lines/mm
- extreme fine grain and highest sharpness, as a base for negatives with an excellent quality;
- with "non-curling" backside coating to improve flatness;
- especially suited for digital application for scanner;

Processing technical – scientific application

For reproductions, radiographic reproductions, astro photography, black-and-white and blue slide, for graphic distancing. Particularly for this application we recommend the **ROLLEI RHC HIGH CONTRAST** (1+5, 3-5 Min.).

Processing half-tone film in the pictorial photography

With highest requirements in terms of sharpness and extreme fine grain, the ROLLEI ORTHO 25 offers excellent results in combination with the fine grain balance developer **ROLLEI RHS HIGH SPEED** (1+7, 5 Min.).

The ORTHO 25 in combination with **the ROLLEI RLC LOW CONTRAST** developer has compiled itself a legendary call. These results remind of the quality of technical pan-Filme. The comparatively steep **gradation** is bent by this special developer. Extreme fine graininess and highest sharpness connected with detailed grey tones are reached in such a way.

Rollei Ortho 25, 25 ISO; pre washing 30 sec; **Rollei RLC dev. 1+4**; Time 8:30min; inversion 1 min permanent, than inversion every 30 sec; Stopbath 1min; Fixing bath RXA 1+7 5min

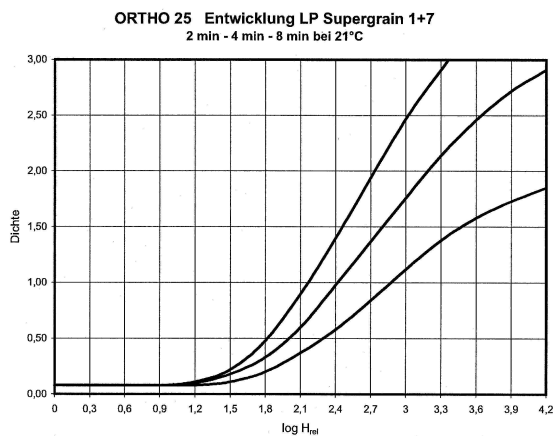
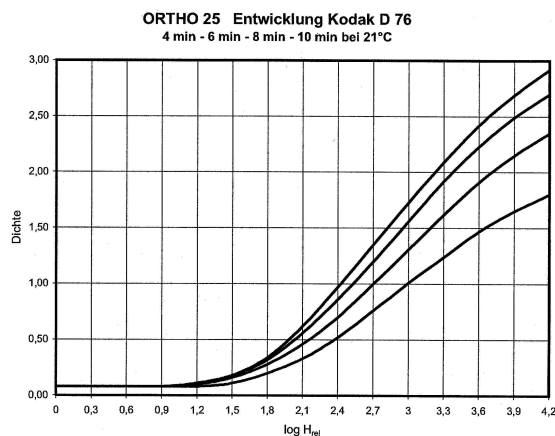
Film base: 35mm and rollfilm polyester, 100µm, crystal clear; sheet film, 175µm, crystal clear

Layer

- emulsion side: emulsion coating orthochromatic sensitized, antihalation coating
- back: NC "non-curling" coating

Exposure index : ISO 25/15°

Characteristic diagram:



Storage:

It is recommend not to leave the film material exposed into direct sunlight, strong heat or relative high humidity.

- unexposed film: Up to 24 months in cold storage by 8°C is recommend

- exposed film: After exposure, please keep film in cold condition, processing as soon as possible is recommend

Processing:

The ROLLEI ORTHO 25 needs strong chemistry, because the silver content of about 9g/m² is very fastidious in relation to processing chemistry.

Highly recommended are the following developers:

Application

Pictorial use
for high contrasts
Standard processing

Developer

ROLLEI RLC LOW CONTRAST
ROLLEI RHC HIGH CONTRAST
ROLLEI RHS HIGH SPEED

Packing:

35mm	135 – 36	10 films	Articel no.: RF1011P	Woodden box
	135 – 36	20 films	Articel no.: RF1011Z	PP-Box
	35mm – 10,0m		Articel no.: RF1010	
	35mm – 40,0m		Articel no.: RF1040	
Roll film	120	12 rolls	Articel no.: RF1001P	single films
	120	20 rolls	Articel no.: RF1001Z	single films
Sheet film	4 x 5 inch / 10 Sheets		Articel no.: RF104	
	4 x 5 inch / 50 Sheets		Articel no.: RF102	
	8 x 10 inch / 10 Sheets		Articel no.: RF106	
			Articel no.: RLC11	
ROLLEI chemistry	RLC LOW CONTRAST	1 + 4	Articel no.: RLC11	
	RHC HIGH CONTRAST	1 + 4	Articel no.: RHC11	
	RHS HIGH SPEED	1 + 7	Articel no.: RHS11	
	RCS CITRIN STOP	1 + 16	Articel no.: RSS11	
	RXN FIX NEUTRAL	1 + 7 – 1 + 9	Articel no.: RFX11	
	RWA WETTING AGENT	1 + 1.000	Articel no.: RWA12	

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