

# Rollei Vintage 131

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## BLACK - AND - WHITE VARIABLE-CONTRAST ENLARGING PHOTOGRAPHIC PAPER

**Rollei Vintage** is a black-and-white, variable-contrast enlarging photographic paper on a baryta paper base. Its contrast can be varied in a large extent from extra soft up to ultra hard by using colour filters at exposure. The paper is designed for amateur, commercial and artistic photography as well as for other applications.

**Rollei Vintage** features a very rich half-tone scale over all contrast grades, a shining white paper base and saturated blacks. The paper is manufactured using silver chlorobromide emulsion that gives neutral-to-medium warm tone to the silver image.

**Rollei Vintage** is manufactured on an baryta paper base in:

**Glossy > Rollei Vintage 131**

**Matt > Rollei Vintage 132**

### Packaging

**Rollei Vintage** is available in all common sheet sizes and wide rolls.

### Safelighting

**Rollei Vintage** is an orthochromatically sensitized photographic paper. Therefore, a suitable safelighting differing from that for conventional photographic papers should be used with a minimum distance of 120 cm. Dark-red safelight filters for orthochromatic materials, e.g. Kodak GBX-2, Ilford 906, Agfa R1, Osram Duka 50, etc. in connection with a 15 Watt lamp, discharge lamp Sodium Vapor etc. are fully suitable. Because of its high speed, **Rollei Vintage** should be exposed to this safelighting only for a time prerequisite to handling.

### Exposure

**Rollei Vintage** can be exposed in all types of enlargers and printers equipped with tungsten or tungsten halogen lamps. Particularly suitable are devices with a special colour mixing head for multi-contrast papers. Other enlargers can also be used, but separate correction filters should be inserted during exposure.

### Contrast control

The contrast can be continuously varied from extra soft (contrast grade 0) to ultra hard (contrast grade 5). **Rollei Vintage** being orthochromatically sensitized, its contrast is controlled using yellow and magenta filters during exposure. If only the blue sensitized part of the emulsion is exposed (under magenta filters), the contrast will increase; if the green sensitized part of the emulsion is exposed (under yellow filters), the contrast will reduce.

The following methods and devices are recommended for the contrast control:

- standard sets of filters for variable-contrast papers (e.g. Agfa Variables Filters, Ilford Multigrade Filters, etc.)
- magenta and yellow filters in colour mixing heads
- special enlarging heads for variable-contrast papers
- colour printing filters (yellow and magenta)
- colour printers with a programme for variable-contrast papers
- black-and-white printers with an inserted magenta filter for hard and ultra hard contrast grades

*Filtrations with colour printing filters or colour mixing heads:*

<b>Contrast grade</b>	<b>Filter setting</b>
0 extra soft	80 Y
½	55 Y
1 soft	30 Y
1 ½	15 Y
2 special	10 M
2 ½	25 M
3 normal	40 M
3 ½	65 M
4 hard	100 M
4 ½	150M
5 ultra hard	200M

### Processing

**Rollei Vintage** can be processed both manually in trays and automatically in roller developing machines approved for photographic papers on baryta paper base. Suitable are common neutral-working or contrast-working developers as well as special developers for variable-contrast papers. The resulting image tone is influenced by developers used.

For common work over all contrast grades and a neutral image tone, **Rollei Vintage Classic**, **Rollei Vintage Creative**, **Rollei Print Warmtone** developers are recommended. From developers of foreign manufacturers, developers such as Kodak Polymax or Dektol, Tetenal Variospeed, Ilford Multigrade, etc. are recommended. For fixing, a common acid fixer (e.g. **Rollei RXA**) or **Rollei RXN FIX NEUTRAL** rapid fixer should be used.

## Processing

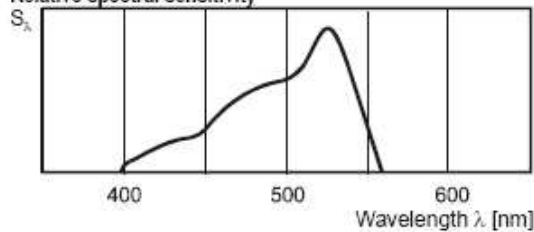
Recommended Developers	Dilution	Time	Capacity m <sup>2</sup> /litre
Rollei Vintage Classic RCD	1+9	min. 2	0,6
Rollei Vintage Creative RSL	1+4	individ.	individ.
Rollei Print Warmtone RPW	1+7	2 ~ 3	0,6
Rollei Print Neutral RPR	1+9	min. 2	3,6
Rollei Print Retro RPN	1+7	2 ~ 3	1,8
Rollei High Contrast RHC	1+4	3 ~ 4	1,4
Agfa Neutol NE	1+9	2	1,1
Agfa Neutol WA	1+9	2	1,1

## Storage

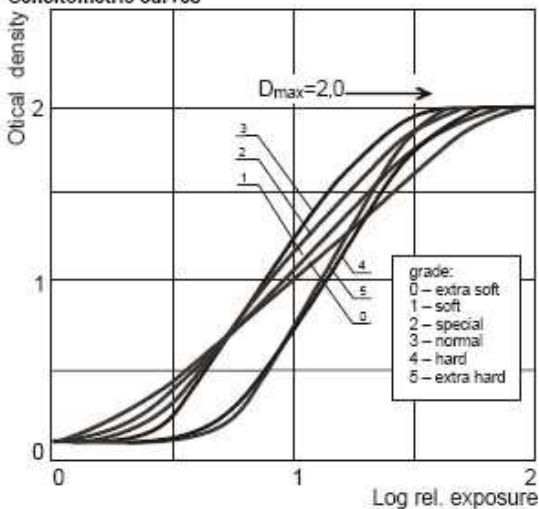
**Rollei Vintage** should be stored in an intact original packaging in a dry, cold place (temperatures of up to 5 – 21 °C and relative humidities ranging 40 – 60 %), out of reach of harmful vapours, gases and ionizing radiation.

Contrast grade		ISO speed
0	extra soft	ISO P 35
1	soft	ISO P 35
2	special	ISO P 35
3	normal	ISO P 35
4	hard	ISO P 25
5	ultra hard	ISO P 25
without		ISO P 90

Relative spectral sensitivity



Sensitometric curves



## Toning

**Rollei Vintage** can be toned using the Rollei Sepia two-bath toner by which a brown image tone can be obtained. In this case the temperature of the toning bath is not as relevant as with Rollei Vintage-type photopapers. The prints should be mildly overexposed for toning. A blue tone can be obtained using the Rollei Bluetoner Set. The resulting image tone depends on dilution, temperature and toning time.

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