

RETROBROM Sp

BLACK-AND-WHITE ENLARGING PHOTO PAPER MADE ON BARYTA BASE AND WORKING IN WARM TONE

In general

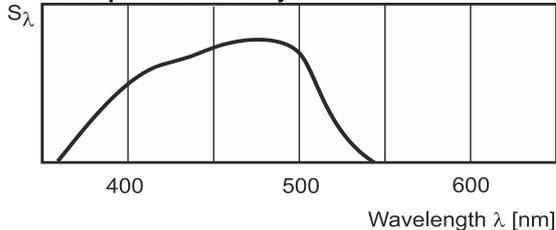
RETROBROM Sp is a unique black-and-white paper using silver bromide-iodide emulsion and made on a thick double-weight baryta paper base (FB). The paper features a rich halftone scale, exposure or developing flexibility, fine-grain and warm green-brown tone of the developed silver image, with the paper base coloured in lightly green-yellow tint. Middle level of the optical sensitivity of this material enables application of the techniques of contact copying and even enlarging to big formats. The specific warm tone of the image makes this paper suitable for works in retro-style, especially for portrait photos, but also for other photo genres (still life, landscape, structure and detail, abstraction, etc.).

RETROBROM Sp is produced on baryta paper base, in glossy and semi-matt surface in one contrast grade: special (Sp).

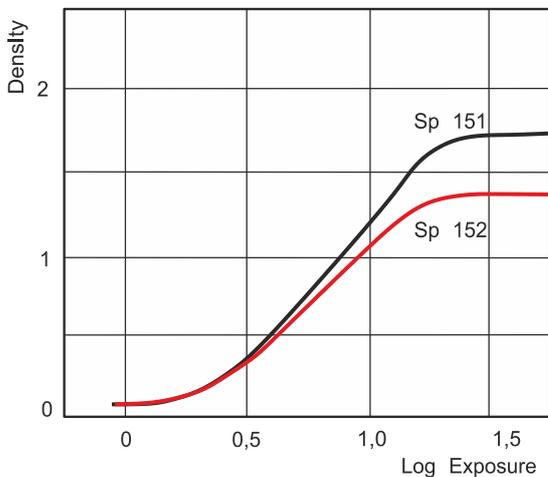
Packaging

RETROBROM Sp is finished and supplied in usual medium-sized and large formats.

Relative spectral sensitivity



Sensitometric curves



Sensitometric values according to the ISO standard:

Contrast grade and surface	ISO range R	ISO speed P	D_{max}
special, glossy (151)	110	200	1,8
special, semi-matt (152)	110	200	1,4

The product has been produced and marketed in conformity with a quality system according to the international standard EN ISO 9001.

Safety lighting

RETROBROM Sp is routinely processed at indirect safety illumination with wavelength of 575 nm and higher, corresponding colour of safety illumination is yellow, yellow-green, amber or orange colours are recommended. Regarding its lower sensitivity the processed material can be exposed to this type of safety illumination or to other equivalent one for longer period than by common types of the black and white papers (Fomabrom, Fomaspeed, etc.).

Processing

RETROBROM Sp is recommended to be processed manually (in trays etc.). For green-brown tone of the image is possible to use e.g. positive developers of FOMA – Fomatol LQN, Fomatol P, Universal developer, etc., for reaching warmer brown-green tone is advised to use the developer of Fomatol PW. From developers of foreign manufacturers we recommend Ilford PQ Universal, Bromophen, Harman Warmtone, Kodak Dektol, Polymax, Adox Adotol Liquid NE, etc. For reaching noticeable tonal and colour changes of the image is possible to use special types of so called lith developers - Moersch Easy Lith, Fotospeed LD 20 Lith, Rollei Vintage Creative Lith, etc. For increasing contrast of the image are convenient, for example the developers of Foma GD-L, Retro Special Developer, etc.

The paper of RETROBROM Sp can be also processed in the developers designated for processing of the black and white films, e.g. Fomadon LQN, Fomadon LQR, Fomadon P, etc.

For fixing we recommend to use concentrate of rapid fixer FOMAFIX or other acidic fixers (e.g. powder fixer of FOMAFIX P and others).

Procedure of Processing

Processing step	Processing bath	Time	Temperature (°C)
Developing	Fomatol LQN (1+7)	2 – 4 min	20
Stopping	2 % acetic acid	20–30 sec	20
	or Fomacitro (1+19)	20–30 sec	20
Fixing	Fomafix (1 + 5)	3 min	20
	Fomafix P / Acid Fixer	5 min	20
Washing	running water	30 min	above 12
		45 min	below 12

Drying: RETROBROM Sp is recommended for being dried freely laid at room temperature, eventually by hot air in maximum of 85°C and subsequently for being pressed or dried in the turned off state at temperature up to 35°C. RETROBROM Sp 151 allows to apply also the method of hot polishing.

Toning

RETROBROM Sp can be toned using a direct toning method (single-bath) or an indirect toning method (double-bath). The brown image tone is particularly popular, being obtained for example using a set of double-bath toner, Fomatoner Sepia. Due to reducing the optical density of toned image is usually necessary to overexpose original black and white photos; by 20 – 25% for toning in the set of Fomatoner Sepia. By changing the temperature of toning bath is possible to reach slight change of the colour shade and saturation from light brown or yellow-brown (10 – 16°C) to medium brown (20 – 26°C) or even to dark brown (30 – 34°C).

Storage

RETROBROM Sp should be stored in an intact original packaging in a dry and cold place (temperatures from 5 to 25°C, relative humidity ranging 40-60%), out of reach of harmful vapours, gases and ionizing radiation.