FOMASPEED

BLACK-AND-WHITE ENLARGING RC PHOTOGRAPHIC PAPER

In general

FOMASPEED is a universal black-and-white photographic paper on a resin-coated (RC) paper base. It is manufactured using silver chlorobromide emulsion that gives a neutral-to-medium warm tone to the resulting silver image. The paper features a very rich halftone scale ranging from shining whites to deep blacks. Its high speed makes it possible using high lens diaphragm numbers even when making large size enlargements. Developing agents incorporated into the emulsion layer facilitate rapid machine processing and a shortening of development times in manual processing to 60 – 90 seconds at 20 °C.

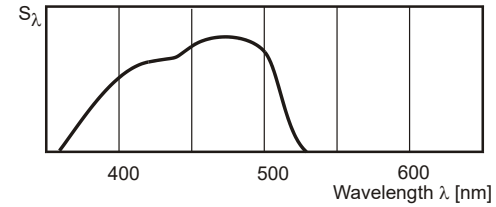
FOMASPEED is manufactured in a glossy, matt and velvet surface and in three basic contrast grades: special (Sp), normal (N) and hard (C).

The speed of all contrast grades is identical, enabling change in contrast grade without difficulties.

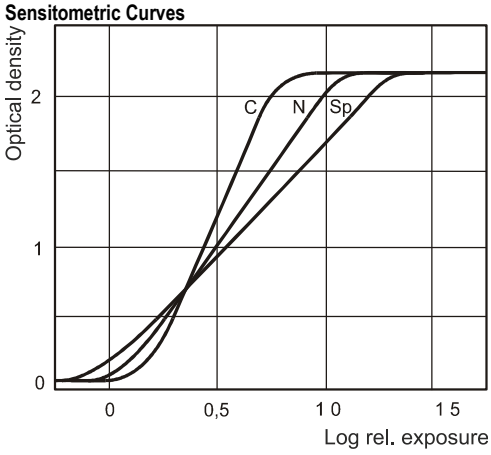
Packaging

FOMASPEED is manufactured and supplied in all usual sizes and in rolls up to the width of 108 cm.

Relative spectral sensitivity



Sensitometric Curves



The above shown curves are valid for the glossy surface. Any other surface, namely the matt one, causes a decrease in the maximum density value. According to the ISO standard, the following sensitometric values correspond to the individual contrast grades:

Contrast grade	*ISO range R*	*ISO speed P*	D_{max}
special	100	400	2,1
normal	80	400	2,1
hard	60	400	2,1

Safelighting

FOMASPEED is routinely processed at indirect safety illumination with wavelength of 575 nm and higher, corresponding colour of safety illumination is yellow, yellow-green or orange colours are recommended. Regarding its high sensitivity the processed material has to be exposed to such illumination only for the time necessary for its processing. Length of exposure and a distance of the processed material from the illumination source should be tested. Direct light has to be diffused by inserting mat glass.

Processing

FOMASPEED can be processed both manually in trays and automatically in roller developing machines approved for RC photographic papers. Suitable are common neutral-working or contrast-working developers. The resulting image tone is influenced by developers used.

For common work and a neutral image tone, Fomatol LQN or Fomatol P developers are recommended. From developers of foreign manufacturers, developers such as Ilford PQ Universal, Adox Neutol Liquid NE, Rollei RPN Print Neutral etc. are recommended. For fixing, a common acid fixer (e.g. pulver-based Fomafix P) or Fomafix rapid fixer should be used.

Manual processing in trays

Processing step	*Processing bath*	*Time*	*Temperature (°C)*
Development	Fomatol LQN (1+7)	60–90 sec.	20
Stopping	2 % acetic acid	10 sec.	20
	or Fomacitro (1+19)	10–20 sec.	20
Fixing	Fomafix (1 + 5)	90 sec.	20
	Fomafix P / Acid Fixer	3 min.	20
Washing	running water	2 min.	above 12
		4 min.	below 12

Machine processing

Processing step	*Processing bath*	*Time*	*Temperature (°C)*
Development	Fomatol LQN (1+4)	25–35 sec.	30
Stopping	2 % acetic acid	5 – 10 sec.	30
	or Fomacitro (1+19)	5 – 10 sec.	30
Fixing	Fomafix (1 + 5)	25–35 sec.	30
Washing	running water	60 sec.	30

Drying: FOMASPEED should be not glazed only dried - either left to dry naturally at room temperature or using warm air at temperatures up to a maximum of 85 °C.

Toning

FOMASPEED can be toned using a direct toning method (the one-bath one, for instance by Fomatoner Indigo), or an indirect toning method (the two-bath one, for instance by Fomatoner Sepia). For a standard process, the indirect method is recommended. The brown image tone is particularly very popular, being obtained using Fomatoner Sepia set. By changing the temperature of toning bath, a wide scale of shades from light yellow-brown to dark-brown or violet-brown can be obtained.

Temperature (°C)	*Image tone*
up to 20	light, yellow-brown
20 – 30	warm, neutral-brown
above 30	dark-brown to violet-brown

A blue tone can be obtained using the Fomatoner Indigo set. The resulting image tone depends on dilution, temperature and toning time.

Storage

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

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

FOMA
BOHEMIA spol. s r.o.
Hradec Králové
Czech Republic
Tel.: +420 495 733 210
Fax: +420 495 733 376
foma@foma.cz
www.foma.eu