

FOMASPEED PAN – *new product*

BLACK AND WHITE HIGHLY SENSITIVE PANCHROMATIC PHOTO PAPER (RC)

In general

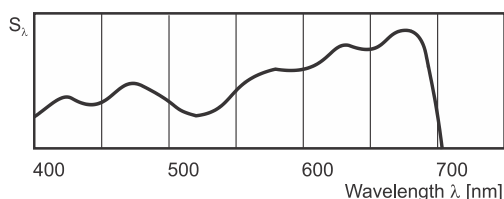
FOMASPEED PAN is a special chlorobromide silver black and white paper on a base laminated with polyethylene (RC) on both sides. It works in a neutral to slightly warm tone and is characterized by a very rich halftone scale from bright white to deep black. It has a very high optical sensitivity (ISO P 1500), according to the relevant standard for black and white films corresponding to the level of 15 ISO S. This new type of black and white paper is suitable for direct photographic recording in photo booths with adequate inversion processing. It is also suitable for exposure with pinhole cameras and subsequent positive processing. This is not a "Direct Positive Paper", therefore, in this case a resulting image on this paper type is not positive, but negative. While it is possible to obtain a positive image using a reversal processing method (e.g. the FOMA reversal set with a condition of adjusted processing parameters), the most optimal technique is generally to create subsequently a contact print from this negative original onto any black and white photographic paper, however preferably one with a smooth surface. Fomaspeed PAN can also be used to obtain tonally correct black and white photographs from color negative image originals by exposing them to an enlarger.

FOMASPEED PAN is produced with a smooth semi-matte surface (312) in the normal (N) gradation.

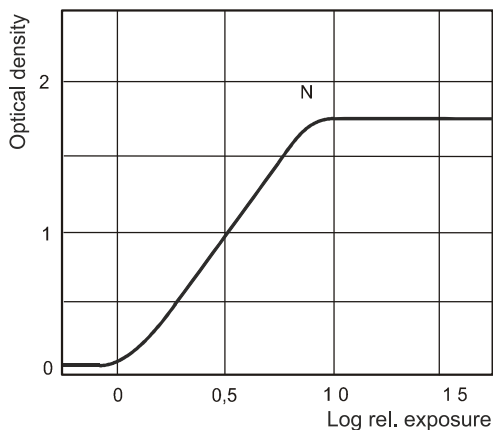
Packaging

FOMASPEED PAN is produced and supplied in rolls with a width of 39.5 mm and in formats of 9,96x12.5 cm (4x5 inch), 12.7 x 17.8 cm (5 x 7 inch.), 20.3 x 25.4 cm (8 x 10 inch), 30.5 x 40.6 cm (12x16 inch).

Relative spectral sensitivity



Sensitometric Curves



The following sensitometric parameters correspond to the N gradation according to the ISO standard:

Contrast grade	ISO range R	ISO speed P	D_{max}
Normal (N)	80	1500	1,75

Safelighting

FOMASPEED PAN – infrared light or complete darkness.

Processing

FOMASPEED PAN 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, or even soft-working positive developers. The resulting image tone is influenced by used developers.

For common work and a neutral image tone, Fomatol LQN or Fomatol P developers are recommended. For fixing, a common acid fixer (e.g. powder Fomafix P) or Fomafix rapid fixer should be used. From developers of foreign manufacturers, developers such as Ilford PQ Universal, Bromophen, Kodak Dektol, Adox Neutol Liquid NE, Rollei Print Neutral ECO, Amaloco AM 6006, Moersch SE4 Neutral etc. are recommended.

Manual processing in trays

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

Machine processing

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

Drying: FOMASPEED PAN 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 PAN can be toned using a direct toning method (single-bath) or an indirect toning method (double-bath). The brown image tone is particularly very popular, being obtained using Fomatoner Sepia Set. By changing the temperature of the 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

Storage

FOMASPEED PAN 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.