

TECHNICAL INFORMATION

ORWO Positive Print Film PF 2 V3

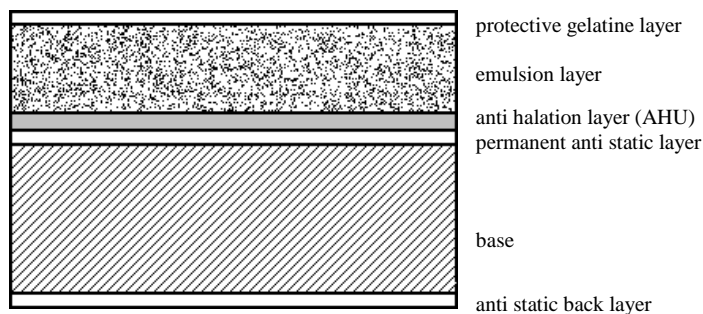
Product Description: ORWO positive Print Film PF2 V3 is a high quality fine grain print stock with excellent resolving power for the production of outstanding black and white prints from regular negatives, but its design parameters go further to excel particularly in meeting to specialized needs of professional film archives, where its performance further enables to spanning of areas of extreme contrast on the original negative, delivering prints with an excellent grey scale range.

PF2 V3 incorporates the highest contrast of standards required for modern print material and archive work, having a polyester base, a coating that is inherently scratch resistant, and incorporating an anti-halation layer which clarifies during processing. An anti-static layer further guarantees printing without attracting an electro static charge, and provides for dust limitation during film projection.

PF2 V3 is the successor of PF2 V2 and PF2plus.

Base: safety base, polyester, 125 µm, clear
or safety base, triacetate, clear, 135 µm

Structure: PF2 V3



Availability of standard assortment:

film width	roll length	perforation
35 mm	610 m	P-4750 (KS 1870)
35 mm	305 m	P-4750 (KS 1870)
16 mm	2 x 610 m	1-0 RA-7620 (1RA 3000)
16 mm	2 x 610 m	1-2 R-7620 (2R 3000)

Further conversion upon request



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Storage:

Raw stock: up to 12 months ≤ 18°C
more than 12 months: ≤ 13°C
recommended relative humidity: 50 to 70 %

Exposed film: process promptly

Processed film: storage at ≤ 21°C or lower with 40 to 60 % relative humidity for normal periods;
long term storage according to the standards ISO5466, ANSI IT9.11 and SMPTE RP131

Substances as sulphur dioxide and hydrogen sulphide, formaldehyde vapours and radioactive radiation have a negative influence on films.

Warranty: 24 months provided the storage conditions specified above have always been observed.

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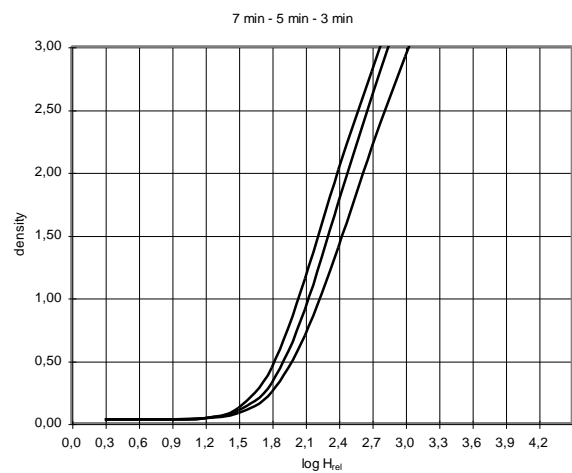
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Processing: According to ORWO instruction 2182 (D97) to a recommended average gradient of $g=2.8$. Process promptly after exposure.

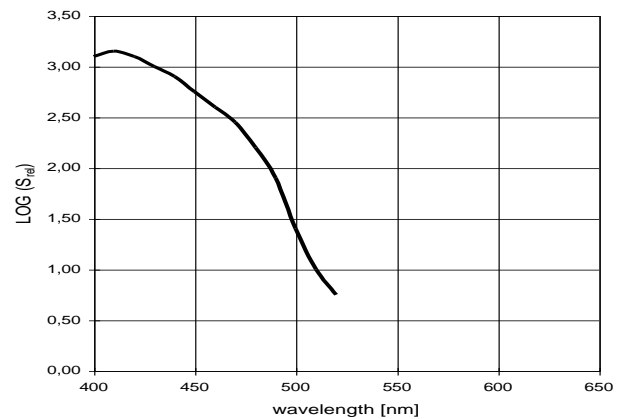
RMS-Granularity: ≤ 10 (read at a net visual diffuse density of 1.0 above the minimum density using a $48 \mu\text{m}$ aperture)

Modulation transfer factor m_{30} : ≥ 0.70

Characteristic curves: Processing: ORWO instruction 2182 (D97)



Spectral sensitivity: For equal energy spectrum



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Darkroom lighting: Processing can be done with a 15 watt lamp and a minimum distance of 1.2 m with the following filters: ORWO no. 104 (red-brown), Kodak no. 0C / Ilford no. 904 or ORWO no. 107 (red), Kodak no. 1 / Ilford no. 906.