

KODAK BROMESKO PAPER

MADE IN ENGLAND BY KODAK LIMITED LONDON

'Bromesko' is a paper of great development latitude, capable of giving a rich warm-black image of full density scale. The image colour can be varied from a cold-black to brown by the use of suitable developers, and by varying the development technique: 'Bromesko' paper is similar in speed to bromide paper.

SAFELIGHT. Handle in the light of a 'Kodak' safelight 'Wratten' Series 0B (lime-yellow), used with a 25-watt bulb.

DEVELOPMENT. Any paper developer can be successfully employed by suitably adjusting exposure and development. Decreased development times and developer concentrations tend to give warmer image colours, especially with the warm-tone developers: maintain print density by increasing exposure. Colder image colours can be obtained by extending development and reducing exposure.

The following developers are available in powder or solution form:

For normal warm-black image. Use 'Kodak' Special Developer D.163.

Dilute 1 part of stock solution with 3 parts of water. Develop for $1\frac{1}{2}$ to 2 minutes at 68°F. (20°C.).

Using 'Kodak' Universal Developer, dilute with 7 parts of water and develop for $1\frac{1}{2}$ to 2 minutes.

For warm-black image of softer contrast. Use 'Kodak' Soft Gradation Developer.

Dilute 1 part of stock solution with 3 parts of water. Develop for 3 minutes at 68°F. (20°C.), or for shorter time for further reduced contrast.

For brown-black image. Use 'Kodak' Warm Tone Developer D.156.

Dilute 1 part of stock solution with 1 part of water. Develop for $1\frac{1}{2}$ to 2 minutes at 68°F. (20°C.).

For warmest image colours. Use 'Kodak' Extra Warm Tone Developer D.166.

Dilute the *packed concentrated liquid* developer with 7 parts of water. Dilute the stock solution prepared either from the *packed powder chemicals*, or according to the formula, with 3 parts of water.

Develop for 2 to 3 minutes at 68°F. (20°C.). Images of less warmth of tone are produced by using the developer at greater concentrations.

For cold-black images upon white-base 'Bromesko' paper add 2 oz. of 'K.A.F.' Solution to every 20 oz. of 'Velox' or D.158 developer stock solution, and make up to 80 oz. with water. Develop for $1\frac{1}{2}$ to 2 minutes at 68°F. (20°C.).

KODAK FORMULA D 163 Stock Solution

Metric		Avoirdupois
2.2 gm	'Elon'	80 gr
150 gm	Sodium sulphite, crystals	12 oz
(75 gm)	(or anhydrous)	(6 oz)
17 gm	Hydroquinone	1 oz 160 gr
175 gm	Sodium carbonate, crystals	14 oz
(65 gm)	(or anhydrous)	(5 oz 80 gr)
2.8 gm	Potassium bromide	100 gr
(28 cc)	(or 10% solution)	(2 oz 130 min)
1000 cc	Water to make	80 oz

KODAK FORMULA D 156 Stock Solution

Metric		Avoirdupois
1.7 gm	'Elon'	60 gr
44 gm	Sodium sulphite, crystals	3 oz 220 gr
(22 gm)	(or anhydrous)	(1 oz 330 gr)
6.8 gm	Hydroquinone	240 gr
44 gm	Sodium carbonate, crystals	3 oz 220 gr
(16 gm)	(or anhydrous)	(1 oz 110 gr)
6.3 gm	Potassium bromide	220 gr
(63 cc)	(or 10% solution)	(5 oz)
1000 cc	Water to make	80 oz

KODAK FORMULA D 166 Stock Solution

Metric		Avoirdupois
1.15 gm	'Elon'	40 gr
50 gm	Sodium sulphite, crystals	4 oz
(25 gm)	(or anhydrous)	(2 oz)
8.5 gm	Hydroquinone	300 gr
68 gm	Sodium carbonate, crystals	5 oz 220 gr
(25 gm)	(or anhydrous)	(2 oz)
12.5 gm	Potassium bromide	1 oz
1000 cc	Water to make	80 oz

KODAK FORMULA D 158 Stock Solution

Metric		Avoirdupois
3.2 gm	'Elon'	110 gr
100 gm	Sodium sulphite, crystals	8 oz
(50 gm)	(or anhydrous)	(4 oz)
13.3 gm	Hydroquinone	1 oz 40 gr
186 gm	Sodium carbonate, crystals	14 oz 375 gr
(69 gm)	(or anhydrous)	(5 oz 220 gr)
0.9 gm	Potassium bromide	32 gr
(9 cc)	(or 10% solution)	(350 min)
1000 cc	Water to make	80 oz

Dissolve the chemicals in the order given.

Fixing. After rinsing in water, fix for 5 to 10 minutes in a solution of either 'Kodak' Acid Fixing Salt with Hardener or 'Kodak' Acid Fixer Powder. Alternatively, prepare a fixing bath according to Kodak formula F.54. Keep the prints on the move. Do not overfix.

Washing. Wash thoroughly in running water: single-weight paper for 30 minutes (or for 5 minutes in each of 8 changes of water): double-weight paper for 45 minutes (or 12 changes of water).

Toning. 'Bromesko' paper may be easily toned to a cool purplish brown with 'Kodak' Selenium Toner (Kodak formula T.55).

Drying. Dry prints face downwards on absorbent material (e.g. muslin or cheese-cloth). Glossy 'Bromesko' Paper may be given a very high glaze by any of the usual methods.

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