FOMA VARIANT FILTERS

CORRECTION FILTERS FOR CONTRAST CONTROL

Rating of the product

FOMA VARIANT correction filters are designed to control contrast in the exposure of multigraded black and white papers, e.g. FOMASPEED VARIANT, FOMABROM VARIANT, FOMATONE MG etc.

FOMA VARIANT filters are manufactured in a complete set of 6 pieces; the set consists of 3 types of filters, two pieces of each: yellow (Y), light magenta (M1) and deep magenta (M2).

The set allows control of final grading in 7 grades (including exposure without filtration) from extra light to ultra hard (see "types" table).

Making-up

Filters are supplied in the form of flat foils, dimensions 8,9 x 8,9 cm or 15,2 x 15,2 cm.

How to use filters

Insert a correction filter (or a pair of filters) corresponding to the chosen contrast into the inner tray of the magnifier, between the light source and the condenser. If the inner dimension of the tray of the appropriate magnifier is smaller than the size of the FOMA VARIANT filters, it is necessary to adjust the foil by cutting.

In addition to standard setting, the required exposure time can also be adjusted by the so-called extension factor by means of contrast selection change or by replacing correction filters. Appropriate exposure extension factors are shown hereafter in the guide-table and in the product manual instructions.

Filter doubling

To be able to use the complete range of grading it is necessary to double FOMA VARIANT correction filters by mutually compiling one onto the other. Only a pair of filters of the same type can be inserted into the tray of the magnifier.

Table: FOMA VARIANT filter types

Filter	Grading	Filter	Grading
2xY	Extra soft	2xM1	Normal
Y	Soft	M2	Hard
No filter	Special–Normal	2xM2	Ultra hard
M1	Special		

Different placing of filter

If used magnifier has no tray for filters, FOMA VARIANT filters can be placed under the lens of the magnifier.

To make handling easier it will help if you put the filters into mounts or adjust them for use with the safety (red) filter holder.

Guilding comparison data for usage of FOMA VARIANT filters with positive materials

FOMASPEED Variant III, FOMABROM Variant III			FOMATONE MG, FOMATONE MG Classic		
Filter type	ISO R	Extension factor (t_{rel})	Filter type	ISO R	Extension factor (t_{rel})
2xY	135	1,6	2xY	120	2,0
Y	120	1,4	Y	105	1,5
No filter	105	–	No filter	90	–
M1	90	1,4	M1	80	1,5
2xM1	80	2,1	2xM1	75	1,8
M2	65	2,6	M2	65	2,0
2xM2	55	4,6	2xM2	55	3,0

Care of filters

Gelatine filters on PET foil must be stored in the original package, in a clean environment. Scratches, dust, fingerprints, liquid stains etc. reduce the final contrast and thus degrade the image. Correction filters can be treated by special cleaning tools – a soft or fine brush, anti-static cloth etc.

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