

FOMA GD-L

DEVELOPER CONCENTRATE FOR MANUAL AND AUTOMATIC PROCESSING OF PHOTOSENSITIVE MATERIALS

Characteristics

A single-component liquid concentrate for the preparation of a contrasting phenidon-hydroquinone developer.

Usage

Developer FOMA GD-L is designed especially for manual and automatic processing of graphic materials of the line type (line and pen artwork).

The developer is also designed for machine processing of dental radiographic films. It guarantees high image quality, develops fine-grained with well-balanced contrast. It makes full use of the film's sensitivity. Composition of the developer guarantees its long-term stability and prevents formation of the sediments when using hard water.

The developer can also be used for processing of the photographic materials (black and white photographic papers).

Adjustment

FOMA GD-L is delivered in PE bottles of volume 1 litre or in PE canisters of volume 5 litres.

Working Solution Preparation

The FOMA GD-L developer concentrate is best thinned using distilled or demineralised water.

For graphic materials in the recommended ratio 1+3.

For processing of the dental films in developing machines in the recommended ratio in the range from 1 + 1.5 to 1 + 2.5.

For photographic papers in the recommended ratio 1+2 (1+1 to 1+4).

Processing Conditions

- *Dental films*

Recommended standard developing conditions

Temperature (°C)	Time (s)
25	90
28	60

The tank with developer should be closed with a lid.

Recommended standard fixing conditions

Temperature (°C)	Time (s)
30	min. 120 sec.

The optimal settings for a specific device (bath temperature, feed rate, etc.) is necessary to be tested in practice. Due to the different design and efficiency of the developing machines, the above values serve as a basic orientation.

The period of use of one application of working solutions is 3-4 weeks.

- *Photographic papers*

The resulting contrast value of the processed material can be influenced by thinning and processing duration.

The range of the developing times of FOMA photographic papers in the working solution of FOMA GD-L developer (1+2) at the temperature of 20 °C

Photographic paper type	Developing time
Fomabrom Fomabrom Variant	90 – 130 s
Fomaspeed Fomaspeed Variant	60 – 90 s
Fomatone MG Classic	1 – 3 min.

Usability of the working solution of FOMA GD-L developer (1+2) with positive processing (black and white photographic papers)

Working solution volume	FB (NB) photographic paper base	RC photographic paper base
1 litre	2.5 m ²	5 m ²

The overall yield of FOMA GD-L developer depends not only on the number of the processed papers (see the table above), but also on the storage conditions of the working solutions (developer oxidation etc.), observance of the usability term, and correct preparation of the working solution (thinning with distilled water etc.)

The liquid concentrate of FOMA GD-L developer can be stored for 24 months with unchanged quality under optimum conditions, the working solution of this developer (1+2) for at least 4 days.

Storage

The concentrates can be stored in the original packaging at temperatures of +5 to +25 °C.