

# FOMADUX LP-D, FOMA LP-DS, FOMADUX FIX-Set

## LIQUID CHEMICALS FOR AUTOMATIC PROCESSING OF INDUSTRIAL X-RAY FILMS

### General

The liquid concentrate of chemicals are intended for automatic processing of industrial X-ray films in processing machines using 8 – 12 minutes cycle. The processing solutions are prepared by diluting concentrated chemicals with water. The liquid chemistry is especially suitable for processing of FOMA X-ray INDUX films as well as for comparable materials of other producers.

The chemicals are labeled as follows:

FOMADUX LP-D Developer-Replenisher

FOMA LP-DS Starter

FOMADUX FIX-Set Hardening Fixer

### Features

FOMADUX LP-D Developer-Replenisher provides high image quality with particularly fine grain and well balanced contrast, making full use of the film speed.

Its formula guarantees the product long-lasting stability, prevents deposits formation even with hard water.

FOMADUX FIX-Set

Part A – Rapid Fixer provides high fixing and buffering action, strong hardening power and long-term stability.

Part B – Hardener increases hardening power of the fixer, resulting in high mechanical resistance of the film and short processing time.

### Packing

FOMADUX LP-D

liquid concentrate for the final volume of 20 litres:

Part A – 1 container of 5 litres

Part B – 1 bottle of 0.25 litre

Part C – 1 bottle of 0.5 litre

FOMA LP-DS

1 bottle of 0.5 litre

FOMADUX FIX-Set

set for 21 l of solution:

Part A – 1 container of 5 litres (fixer)

Part B – 1 bottle of 1 liter (hardener)

### Preparation of working solutions

The developer solution is made using FOMADUX LP-D Developer-Replenisher and FOMA LP-DS Starter (25 ml of starter per 1 litre of developer). As replenisher the solution of FOMADUX LP-D Developer-Replenisher without starter is used.

For preparation of working solution of replenisher 5 litres of liquid concentrate FOMADUX LP-D part A is mixed with 10 litres of water. Continuously mixing this solution the

FOMADUX LP-D part B and FOMADUX LP-D part C is successively added. After that water is filled up to the final volume of 20 litres. The reservoir with the working solution of replenisher must be safely closed by a cover.

For preparation of 21 liters working solution of FOMADUX FIX Set is part A (5 liters of fixer) diluted with 15 liters of water and afterwards is added successively part B (1 liter of hardener) to the solution under continuously mixing. Basic and regeneration bath is the same.

### Processing

Recommended development conditions:

temperature	developing time	processing time
28 °C	2 min.	8 min.

Recommended replenishment doses are 600 to 800 ml/m<sup>2</sup>.

Recommended standard fixing conditions:

temperature	time
28 °C	2 min.

Minimum fixing time = 100 sec.

Recommended replenishment doses of ready-made fixing bath (i.e. with hardener) are 1000 to 1200 ml/m<sup>2</sup>.

Replenishment values being for reference, the exact values are to be determined by trial processing involving the processing machine and film used, the daily processing capacity and processing time.

In case of any need do not hesitate to ask special technical help of FOMA service.

### Storage

The chemicals should be stored in the original packing in a dry place at temperatures +5 to +25 °C and relative humidity 40 to 50 %, for a period not exceeding 24 months.

A possible crystalline fraction in parts A and C is not a defect, it will dissolve again after heating to 40 °C and agitation the solution.

*Information of the ecological disposal, principles of safe use at transport, storage and handling are stated in the safety data sheet of the product.*

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