

A-03 Fine Grain Universal Powder Film Developer

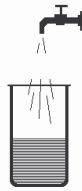
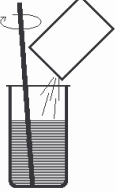
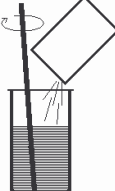
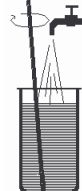


A-03 is a 2 part powder Film developer, designed to process B&W Negative Films of different Film speed but in one process at same processing time. Processing in A-03 developer leads to Negatives with fine grain structure at medium contrast.

A-03 can be used for manual and automatic processing with Standard times as well as for "push" process.

A-03 is comparable to developers such as Agfa Refinal M, Ilford Microphen or Tetenal Ultrafin SF.

Mixing Instructions

Take Water (at 30 - 40 °C) of 4/5 from final package volume	Add part 1 while stirring	Add part 2 while stirring	Fill up with water (at 10 - 20 °C) to final package volume
			

ATTENTION: Do not split contents of Original Package.

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Processing Times

At 20 °C in trays and tins; medium contrast (g = 0,65)

Agitation: - move film continuously in the developer solution during first minute
 - then move film all 30 seconds for 3 seconds in the developer solution

Film Manufacturer	Film Type	Processing Time (at 20 °C)
AGFA	APX 25 APX 100 APX 400	6 to 8 min 6 to 8 min 6 to 8 min
FORTE	PP 100 FP 100 FP 200 FP 400	5 to 6 min 5 to 6 min 5 to 6 min 5 to 6 min
FUJI	NP 400 NP 1600	5 to 6 min 5 to 6 min
ILFORD	PAN F FP 4 HP 5 DELTA 100 DELTA 400	6 to 7 min 6 to 7 min 6 to 7 min 6 to 7 min 5 to 7 min
KODAK	Tmax 100 Tmax 400 Tmax 3200 Tri X	6 to 8 min 6 to 8 min 6 to 8 min 6 to 8 min

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All times listed above are values for orientation; processing unit: tray, tin, ...;
Contrast: medium (g=0,65).

To get maximum Film speed or to higher nominal Film speed „pushing“ of process is possible.
Notice: When „pushing“ negatives higher contrast and lower resolution power (caused by bigger grains in negative structure) are obtained. If negatives with high balance in contrast and grain are required, then developer can be used in dilution of 1 + 1.

At processing temperatures lower or higher than 20 °C, prolong or reduce processing time, as follows:

at 18 °C	prolong by appr. 20 %
at 22 °C	reduce by appr. 15 %
bei 25 °C	reduce by appr. 35 %

Capacity

A-03 works without replenisher. Up to 10 film rolls size 135-36 or size 120 can be processed in 1 Litre of working solution in normal dilution.

Beginning with third film and then each film following, processing time has to be prolonged by 1 minute.

When diluting Standard working solution 1 + 1, processing time must be prolonged by 1 minute per film beginning with second film already. In 1 Litre of 1 + 1 diluted Standard working solution can be processed nearly 7 to 8 film rolls size 135-36 or size 120.

Storage and Handling

Developer powders have to be kept dry (at 10 to 25 °C) in the closed package before mixing with water.

It is recommended to wear protective gloves, when handling and working with photochemical powders and solutions.

Industrial User: Note the governmental regulations and laws, when disposing used chemicals.

For further information, please contact the manufacturer.