

68°F has been found to be the best development temperature. For every degree above or below 68°F, subtract or add 15 seconds of developing time.

AGITATION

Roll and 35mm in daylight tank: Invert tank 8 times at start, then invert 4 times at one minute intervals.

DILUTED DEVELOPERS FOR ONE-SHOT USE

Advantage: consistency from film to film. High acutance with tight grain pattern. For fast and medium speed films, stay within the speed range indicated in the chart. Excellent for slow, fine grain films. Dilutions are less suitable than full C-76 for push processing of fast films.

DEVELOPMENT FOR MAXIMUM FILM SPEED

Exploitation of the upper limits of film speed is an arena that concerns relatively few photographers. The skilled technique of development by inspection is used by top custom labs, with C-76 preferred over any formula from other manufacturers.

Using the more familiar time-and-temperature method, a simple test is to expose a strip at half-stop decreased in exposure, and then develop for as long as 12 minutes in undiluted C-76. Unlike most developers, C-76 tends to hold highlights to printable density. A follow-up test, at shortened developing time and exposure learned from the first strip, will give confidence regarding future speed emergencies.

Then, back to moderation, and the fine grain and smooth quality of normal practice.

THE DEVELOPMENT METHOD YOU CHOOSE can be fine-tuned to satisfy your particular requirements by adjustment of development times, proportions, or agitation.

VALUED NEGATIVES SHOULD NOT BE DEVELOPED UNTIL YOU HAVE EXPERIENCE WITH A SUITABLE METHOD.

CRONE:C ADDITIVE is not for use with T-MAX developer, or HC-110, FG7, Microdol-X, D-23, Microphen, Acufine, Promicrol, or any high contrast graphic arts developers.

CRONE:C ADDITIVE in capped bottles has a shelf life of over two years.

CAUTION: FLAMMABLE.

Contains Isopropanol. May be harmful if swallowed. Avoid contact with eyes and prolonged contact with skin.

KEEP OUT OF REACH OF CHILDREN.

product of
ETHOL CHEMICAL CO.
manufactured by
Photographers' Formulary Inc.
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CRONE:C ADDITIVE

One ounce of CRONE:C ADDITIVE converts one quart of negative developer D-76 into C-76, the modern developer for crisp, easy-to-print negatives, with generous film speed and ample latitude.

The effect of the additive is to further energize chemicals already present in the formula. Much of the response is in shadow areas of the negative, and because the carefully buffered additive holds down the alkalinity of the developer, risk of over-dense highlights is reduced. Shortened developing time controls grain, a further benefit of low-alkali density-building.

FULL STRENGTH DEVELOPER or ONE-SHOT DILUTIONS

FULL STRENGTH C-76 is recommended for general commercial photography.

REPLENISHMENT. Add one ounce of additive to each quart of prepared D-76 Replenisher. Label C-76R. Follow normal D-76 replenishment instructions. Replenished deep tanks of C-76 easily provide three months of normal use, yielding remarkably consistent negatives.

DEVELOPING TIME IN MINUTES AT 68° F:

	ISO	C-76 FULL STRENGTH			C-76 DILUTED 1:1	
		Roll	35mm	Sheet	Roll	35mm
KODAK						
TRI-X	800	5-1/2	5		7-1/2	7
TRI-X PROF	500	5-1/2		7	7	
PLUS-X	200	4-1/2	4		6	5
VERICHROME	250	6			7-1/2	
EKTAPAN	160			7		
PANATOMIC-X	80	5-1/2	5		6-1/2	6
RE2475	2400		12			
T-MAX 400 TMY	500	5 1/2	5	6 1/2	6 1/2	6
T-MAX 100 TMX	160	5 1/2	5	6 1/2	7	6 1/2
ILFORD						
HP5	800	5 1/2	5	7 1/2	7	6 1/2
FP4	250	5	4 1/2	6 1/2	6 1/2	6
PAN F	80	4 1/2	4		5 1/2	5
AGFA						
PROF 400	650	5	4 1/2		6 1/2	6
100	200	5	4 1/2		6 1/2	6
25	64	4 1/2	4		5	4 1/2
FUJI						
NEOPAN	800	5 1/2	5		7	6 1/2
ADOX						
21	200	5	4 1/2		6 1/2	6
ORWO						
27	500	5	4 1/2		6	5 1/2
22	200	5	4 1/2		6	5 1/2