

Black and White Film - Process

Pre-Wash

Water 68° – 75° – 1 Minute. Agitate the entire time

Developer

1:1 Ratio. Agitate for the first 30 seconds and 4 inversions every 30 seconds there after. Time is determined by temperature! Temperature should be between 68° – 75° . 68° is ideal and will result in the healthiest looking negatives.

XTOL & Common Film Types

Temp (°F)	68°	70°	75°
Ilford HP5+	12	10:30	7:30
Ilford Delta 100	10:30	9:30	7:15
Ilford Delta 400	10:30	9:30	7:00
Fuji Neopan Acros	9:30	8:30	6:26
Kodak T-Max 400	9:30	8:30	6:30
Kodak Tri-X 400	9:00	8:30	7:15

Stop Bath

1 Minute. Agitate the entire time

Fixer

3 Minutes. Agitate for the first 30 seconds and 4 inversions every 30 seconds there after

First Water Wash

1 Minute. Running Water, if running water is not available fill and dump tank 10 times!

Fixer Remover

3 Minutes. Agitate for the first 30 seconds and 4 inversions every 30 seconds there after

Final Wash

10 Minutes. Running Water

Wetting Agent

1 Minute. No Agitation

Dry

About 20–25 minutes. When film is completely dry put it away in plastic negative sleeves.