



SP-76EC

Enhanced Concentrate Film Developer

Fine Grain
High Acutance
Excellent Tonal Separation
Optimized for the SP-445 Film Tank.

SP-76EC is a phenidone-based developer that can be used with all black and white films. It is a general purpose film developer that will provide fine grain, high acutance and excellent tonal range.

Novice users will appreciate its forgiving nature. This is due to the addition of inhibitors that help prevent over-development. Advanced users can tune the dilution ratio to suit their particular needs.

While SP-76EC is less toxic than many other film developers, we recommend wearing protective gloves. Not only does this protect your skin, it also provides a better grip on the tank during agitation. The gloves also keep your fingers from smelling like a darkroom the next day. After all, the odor of darkroom chemistry has been proven to be an anti-aphrodisiac to non-photographers.

Recommended Procedure:

While every photographer develops (pun intended) their own “best practices”, here's a starting point for the SP-445 system:

Dilute 44 ml of SP-76EC with 440 ml of distilled water.

Fill tank, tap the tank firmly on the bench to dislodge any air bubbles and then agitate by inverting the tank, holding it inverted for 1 second, then turning it right side up for 1 second. Repeat 4 times.

Recommended times for “normal” development, all processed at 68°F/24°C.

Film	ratio	Time	agitation
Fomapan 100	14+1 (450+32 ml)	8:00	15 seconds, then 10 seconds every 30 seconds.
Foma 200 Creative	14+1 (450+32 ml)	7:00	15 seconds, then 10 seconds every 60 seconds.
Fomapan 400	9+1 (450+50 ml)	9:00	

Complete data: <https://shop.stearmanpress.com/pages/film-data-foma>

Empty the tank of developer and immediately rinse several times with water. (No stop bath required.)

Fix for 3:00 – 4:00 with SP-Fixer #7. Save for reuse. (Should be good for 40 sheets of 4x5 film.) *To test fixer: drop a small piece of undeveloped (but exposed) film into a beaker of fixer. It should turn clear in 30-45 seconds. If not, the fixer should be replaced.*

After fixing, wash for 5-10 minutes in slowly running water.

After washing the film, add 4-5 drops of SP-H2O-flow wetting agent to 500 ml of water. Let the film soak for 30-60 seconds with continuous agitation.

Carefully remove the film and hang it to dry. Do not squeegee.

Suggested Processing Times

Here are some suggested starting points for other films. Of course, your results will vary and don't be afraid to experiment with other temperatures and dilutions. Normal range of dilution is 1+6 (very contrasty!) to 1+19 (rather dull, but maybe that's what you want?)

Film	Development time (1+10 dilution)	Temperature
Ilford HP5	6:30	68°F/20°C
Ilford HP4	6:00	68°F/20°C
Ilford Delta 100	7:00	68°F/20°C
Ilford Delta 400	8:00	68°F/20°C
TMax 100 pro	7:00	68°F/20°C
TMax 400 pro	7:30	68°F/20°C
Kodak Tri-X (TXP)	7:15	68°F/20°C

For industrial use only! Keep away from Children!

SP-76EC Contains Hydroquinone CAS# 123-31-9.

Read the MSDS. Exercise care when handling; wear gloves and avoid skin or eye contact. In case of eye contact, flush with water for 15 minutes and call a physician. In case of skin contact, wash with soap and water. Harmful if taken internally. In case of accidental ingestion, drink large quantities of water or milk, induce vomiting and get medical attention immediately.

Notice: While this product will be replaced if defective in manufacturing, labeling or packaging it is sold without express or implied warranty or liability of any kind. The user assumes all risk upon accepting these chemicals. IF FOR ANY REASON YOU DO NOT WISH TO ASSUME ALL RISK, PLEASE RETURN THE CHEMICALS WITHIN THIRTY (30) DAYS FOR A FULL REFUND.

Consult with local sewer and water authorities regarding proper disposal of darkroom chemicals in your area.



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