



Shanghai 100 Sheet Film

Shanghai 100 is a panchromatic black and white negative film suited for all types of photography. It features rich gradation, fine grain, wide exposure latitude and low fog.

Factory rated at 100 ISO.

Recommended Processing with SP-76EC and the SP-445 Film Tank:

While every photographer develops (pun intended) their own “best practices”, here's a starting point:

Dilute 48 ml of SP-76EC with 432 ml of distilled water (1+9 ratio).

Fill tank and start timing. Tap the tank firmly on the bench to dislodge any air bubbles. *Squeeze the tank gently and tighten the caps (this helps maintain a liquid tight seal).*

Agitate by inverting the tank, holding it inverted for 1 second, then turning it right side up for 1 second. Repeat 4 times.

Agitate again every 30 seconds.

Develop for 7.5 minutes at 70° F (21° C).

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

Fix for 3:00 – 4:00 minutes with SP-Fixer #7 (diluted 1+3). Save for reuse. (Should be good for 40 sheets of 4x5 film.)

After fixing, wash for 5-10 minutes in slowly running water (70° +/- 5° F) .

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.

Comments:

You can *increase* the ratio of SP-76EC to *reduce* contrast (up to 1+19). For example, 32ml of developer + 448 ml water (1+14) will give a flatter image.

You may want to experiment with processing times and temperatures.

Some users find it easier to remove the film while submerging the film holders underwater. This breaks any surface tension between the film and the film holder.

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.

Safelight: if desired, film may be handled under a dark Green safelight (560nm). The bulb should be less than 15W and keep film at least 1.5 meters away. Limit exposure to 15 seconds.

Other Developers:

Shanghai 100 can be processed in almost any B&W chemistry. Here are some starting suggestions.

Developer	Time (minutes)	Temperature
D-76	9	68° F
D-76 (1+1)	14	68° F
HC-110 (1+31)	7.5	68° F
Ilfosol 3 (1+9)	8	68° F
Xtol	7.5	68° F
Xtol (1+1)	10	68° F

