

New55 PN
Directions for Use

version 6



PREPARATION

Here are the items you need to have on hand:

- New55 PN
- 545 holder
- Tray of *Ilford Rapid Fixer*, a strong 50% solution
- Tray or sink with clean water to wash the negative
- hand and eye protection (nitrile gloves and safety glasses)

Open the box.

Cut the clip-end of the plastic bag while making sure that all the Clips are tight in the end of the Sleeves.

Carefully remove one New55 PN film packet. Do not lift a film packet by the Clip. Take care to make sure the assembly does not slide apart prematurely; this would expose the Negative.

Make a mental note of the location on the film packet of the “New55 lens side” markings.

EXPOSURE

Insert the 545 holder into camera. Position lever to 'L' for “LOAD”. Insert the New55 PN film packet until it clicks. Carefully withdraw the Sleeve, slowly, until it stops.

Make your exposure. **ISO speed varies with different production batches, so we recommend exposing New55 PN at the ISO speed given on the box. (Earlier unmarked boxes are to be exposed at ISO 100-200.)** Carefully push the Sleeve back in, firmly but gently.

PROCESSING

Now, reposition the holder lever to 'P' for “PROCESS”.

Pull the film packet out of the holder between the rollers firmly, smoothly, and continuously. (The withdrawal should take at least one full second.) With old holders you may experience stiffness. Use good body mechanics for a smooth, even and repeatable pull. Inconsistent pull technique can result in inconsistent reagent spread.

Lay the packet down to allow the negative and the print to develop. **Processing time varies with different production batches and the time is given on the box. (Earlier unmarked boxes are to be processed for 4 minutes.)**

Note: New55 PN can also be exposed and then removed from the 545 holder without processing. This is accomplished after exposure by returning the Sleeve and then sliding the packet out of the holder without the rollers engaged. Leave the holder's lever in the 'L' position and simultaneously hold down the holder's Release Lever with one finger while sliding the film packet out of the holder. Process later by reinserting the pre-exposed film packet back into your 545 holder and proceed as usual.

PROCESSING THE NEGATIVE

The video, "New55 PN - Shooting and Processing" at <http://www.new55.net/tutorials/>, covers the next steps clearly.

It is ideal to fix the Negative with as little exposure to light as possible. **Fix the negative in a strong solution of *Ilford Rapid Fixer* – 50% water and 50% fixer from the bottled concentrate.** The print should simply be set aside to dry.

When the designated processing time is up, remove the small rectangular silver retaining tape from the back of the film packet and pull the Clip away from the Sleeve to remove the Tongue Assembly containing the Negative, Pod, and Receiver Sheet.

With the Negative facing down (away from the light) peel the Print (downward) away from the Tongue Assembly. Set the Print aside to dry and just simply drop the Tongue Assembly with the Negative face-down in the Fixer. After 30 seconds to a minute in the fixer, remove the Negative from the Tongue Assembly and also remove the residual adhesive strip from the back side of the Negative (being careful not to scratch the soft emulsion). Then drop the Negative back in the fixer face up for another minute or two, long enough to watch the residual reagent goo congeal and float free. Remove any excess goo with the light touch of a gloved finger.

We recommend ***Ilford Rapid Fixer*** because it is easy to obtain in most countries. The strong 50% solution is required to remove the reagent goo and fix the Negative properly. This can be accomplished in a few minutes by gently agitating the tray and watching the goo float off the surface of the Negative. **Do not try to use Sodium Sulfite.** New55 PN is designed to work with this strong solution of ***Ilford Rapid Fixer***; alternatives are not recommended.

After a total of two to three minutes in the fixer, remove the Negative from the fixer and place it immediately in a tray of room temperature tap water, replacing the water several times while rinsing the Negative for 10 to 20 minutes. During rinse, the green anti-halation dye will wash off the back of the Negative. A wetting agent is optional. Hang to dry. Note: a running tap can harm the soft emulsion.

COATING

After peeling the Print from the Negative, set aside the Print to dry. No other processing of the Print is necessary. You may wish to provide a glossy coating after the Print is dry in order to protect it. ***Krylon Special Purpose Spray Lacquer*** has tested well and is readily available in most local hardware stores. The Print will fade with time if left uncoated.