



## NEW SEAGULL SELECT VC-FB

**Fiber**

**Based**

**Paper**

By using filters, it is possible to control the tones of the finished New Seagull Select VC-FB with this variable-contrast print paper. With one type of paper, it is possible to handle a broad range of tones (#0 ~ #5). Similar to New Seagull G which has gained world-wide acclaim, you can reproduce intense white and deep black images. The product is made using baryta paper which will produce elegant prints and can be used for original prints and commercial photographs and works especially well for print archiving.

### Safelights

15W bulbs should be used. A Kodak OC or a Ilford S902 Safelight filter are recommended. The safelight should be at least 1.2 meter from the bed of the enlarger or developer. After exposure, be careful not to expose the emulsion side of the print to light.

### Light Source

In the case of VC-FB, a tungsten or halogen light source can be used. VC-FB is designed to be usable with a dichroic color head. A magenta light source produces a high contrast and a yellow light source produces low contrast. When using your own dichroic head, do some testing before making a final decision on level of contrast. (Table 1)

### Exposure

Correct exposure times depend on the characteristics of the negatives being printed. To get good final prints, test prints at various exposure levels should be made first. Exposure times depend on the type of filter being used. For filters ranging from #0 to 3 1/2, prints can be made at about the same exposure times. For #4 ~ #5 filters, exposure times should be 1.5 times that used for the other filters. When using a cool light head, adjustment must be made for the light source and the photographic paper by using adding a Kodak CC Filter-40Y.

### Sensitivity and Gradient

ISO Speed	ISO Range
P100-400	R 60-160

### Types of Paper

Type	Base Paper	Weight	Texture	Tint	Image Tone
FB	Fiber-based	Double Weight	Glossy, Smooth	White	Jet Black

### Standard Processing Conditions

Process	Processing Temperature	Processing Time
Development	20 +/- 0.5° C	90-120 sec.
Stop Bath	18-21° C	15-30 sec.
Fixing	18-21° C	5-10 min.
Washing	18-25° C	approx. 90 min.
Drying	Natural Drying or Ferro-type dryer	

### Developer

For VC-FB paper, it is possible to use almost all commercially available developing solutions (D-72, etc.) The developing conditions depend on the chemicals and dilution level of the developer. Care should be taken to avoid over-developing which raises the fog and lowers contrast.

### Stop Bath

For the stop bath, a solution of 1.5% of glacial acetic acid is used.

**Time:** 15 to 30 seconds.

**Water:** 1 liter

**Glacial Acetic Acid:** 15 ml

### Fixer

Prepared fixer is recommended but, if you are preparing your own fixer, either use an acid hardening fixer containing sodium thiosulfate (hypo) or a rapid fixer containing ammonium thiosulfate.

### Washing

Prints should be washed for 90 minutes. While they are in the bath, take care that the prints do not become placed one on top of the other.

If you use a hypo-cleaning agent, washing time can be reduced by half. For shortening washing time, after fixing, wash in running water for five minutes. Then use 2% anhydrous sodium sulfite solution at 20f C for 2~3 minutes and wash in running water for 45 minutes.

### Drying

For drying VC-FB prints, natural drying should be used. If you are using a Ferro-type dryer, set it at a temperature below 50° C.

## Toning

VC-FB prints can be toned using in a wide variety of ways. If the objective is to store photographic images for long periods of time, selenium toners are recommended.

## Storage

Always store photographic paper in a cool, dry place. It is also effective to put a desiccant in a package which has been opened to keep the paper dry. The paper should be used quickly after the package has been opened. Be careful to avoid exposing the paper for long periods to a safelight, or letting the emulsion side come into contact with fingers.

(Table 1) Comparison of filters and light sources

<u>Oriental VC Filter</u>	<u>Ilford Multiple Grade Filter</u>	<u>Kodak CC Filter</u>	<u>Durst Omega d5500 Color Head</u>
0	0	80Y	110Y
1/2	1/2	55Y	90Y
1	1	30Y	70Y
1 - 1/2	1 - 1/2	15Y	30Y
2	2	0	0
2 - 1/2	2 - 1/2	25M	30M
3	3	40M	45M
3 - 1/2	3 - 1/2	65M	55M
4	4	100M	95M
4 - 1/2	4 - 1/2	150M	130M
5	5	200M	170M