

## HANDCRAFTED ORTHO FILM ON KOZO PAPER

**Maximum sensitivity:**

25 ISO

**Texture :**

very strong

**Contrast :**

very strong

**Production process :**

hand coating

**Base :**

Kozo paper, 28 gr/m<sup>2</sup>

**Transparency :**

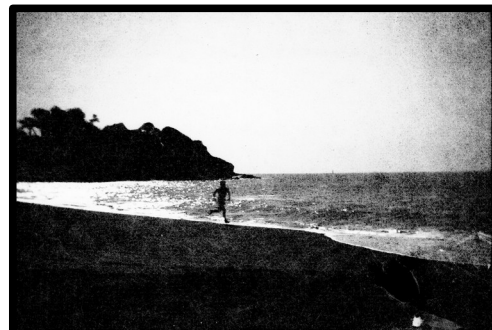
medium

**Spectral sensitivity :**

Maximum 545 nm

**Darkroom safelight :**

Red, 575 nm



**Special features :**

"W" is an orthochromatic film handcoated on Moriki Paper's Tosa Washi (Kozo) offering a very unique fiber effect, inspired by pictorialist, directly on the negative.

**Recommended use :**

With high sensitivity to blue, less to the green and no sensitivity to red light, this film gives best results with urban, portrait and still life Photography.

**Loading & handling :**

**120** roll films can be loaded like any normally.

While unloading the roll, it is advised to secure it with a rubber band or scotch tape.

**Sheet-films**, more flexible than regular films must be load under safelight. From bottom to top, the notch must be placed in the upper right corner of the film holder. Make sure the end of the film is correctly passed under the top lip of holder and that dark slide can move back and forth freely without damaging the film.

**Formats :**

120

12 pcs sheet-film pack : 4x5"

**Exposure :**

Exposure setting will change according to light condition and type of developer (see spread-sheet below). Film "W" does not have large exposure latitude and is not very sensitive to artificial light. Exposure settings in this data sheet are for natural light conditions.

## Tank processing :

As they are very thin and flexible, paper based films cannot be loaded on modern processing reels.

However, it is still possible to use old tanks with special plastic stripes like "Correx" or "Souplinox".

## Tray processing :

Film "W" must be processed with paper developer in open trays under safelight. Rollfilm must be handle with flat clamps and immerse in trays with back and forth movement through the following steps :

- **pre-wash** in clear water
- immerse in **developer** (2 to 3 minutes)
- **wash** in clear water, no acid stop bath
- immerse in **fixer** until full dissolution of remaining white emulsion
- **wash** in cold clear water for 15 minutes minimum, no direct streal on the film
- suspend the film and leave it to dry

## Exposure settings & processing times :

In case of direct light (sun), the maximum sensitivity will be used for a given developer, while with diffuse light (shadows, cloud) the lowest sensitivity will be used

exposition	révélateur	dilution	durée	T°C
3/6 iso	PQ Universal	1+9	3 mn	20°C
12/25 iso	PQ Universal	1+1	3 mn	20°C
12/25 iso	Tetenal Eukobrom	1+1	3 mn	20°C
3 iso	Rodinal	1+50	4 mn	20°C
6/12 iso	HC-110	1+100	4 mn	20°C

## Structure of layers :

sensitive emulsion

Kozo paper base

anti-curl back layer



## Use of flash :

Electronic flash can be used but only at full aperture, close range and set with the lowest sensitivity.

## Scan :

Film "W" can be scanned by transparency, to get maximum of half-tones. Being scanned in opacity mode, like a print, it will show higher contrats and a "waffle" texture.

## Usage tips :

- film "W" is a high contrast film that need to be precisely exposed to get the best results.
- film "W" being already a very contrasted film, it will give bests results with on less contrasted subjects.
- for landscape photography the lowest sensitivity will be choosen (3/6 iso) to get a wider range of green shades.
- in portrait photography it is better to make the light mesure directly on the subject : orthochromatism can trick the cell.
- as the emulsion used for this film is similar with black & white paper emulsion, there is no problem to use it for long exposure. It can also be used as printing paper (grade 3).
- 120 rolls are handspooled and few very delicate camera can have issue to handle it.
- Please never force on the winding lever and contact Film Washi for any question.

*We take great care in the manufacture of each Film. If you are unhappy with the film for any reason please get in touch and we will do our best to help. In case of manufacturing defect, films will be replaced by new ones. No other claims for compensation will be accepted.*