

# ROBA APPOSTA®

## 2 BATH BLACK AND WHITE REVERSAL KIT

### WHAT'S THIS

**ROBA APPOSTA** is a kit of chemical products designed to simplify the reversal process for black and white photographic papers, photographic and cinematographic films.

### CONTENT

**ROBA APPOSTA** kit consisting of four 250ml bottles of concentrated chemicals, plus an auxiliary chemical in a sachet or vial:

- 1** indicates the first step, the development, was created specifically for this process and has a long duration both concentrated and in work solution. It has the most unnerving task because it works twice, **avoid coming into contact with 2A and 2B because the duration is drastically reduced.**
- 2A** they indicate the bleaching, and they are to be put together at the moment of use, only in the quantity strictly necessary for the purpose. Concentrates have an unlimited duration, once mixed together, they last for a few hours.
- 2B** **They must never come into contact with 1, otherwise their effectiveness is canceled.**
- X** it is the auxiliary chemical, recommended, but not obligatory. It is necessary to thoroughly clean the sensitive material after the passage in the bleaching in order to keep the development effective for as long as possible.

### PHOTOGRAPHIC PAPERS

- SPEED: from iso 1 to iso 12** according to brand and type of paper
- DILUTION PART** **1** **1 + 1 (it is reusable)**
- DILUTION PART** **2A 2B** **1+1+6 (it is one shot)** example: 100ml 2A + 100ml 2B + 600ml water
- DILUTION PART** **X** **12gr to be diluted in 1L of water (it is reusable until it remains odorless)**

### PROCESS

in darkroom security light

- 1** DEVELOPMENT **1** **6'00"** from 20 to 24 °C
- WATER WASHING **1'00"** from 15 to 30 °C
- 2** BLEACH **2A 2B** **1'00"** from 20 to 24 °C  
(paper does not completely bleach, it remains a slight positive trace)

from this moment it is possible to operate in ambient light

- ACCURATE WASHING (if possible in running water) **5'00"** from 15 to 30 °C
- 3** WASHING WITH COMPONENT **X** (optional step but recommended) **2'00"** from 20 to 24 °C  
bring the paper closer to a direct light source for a few seconds
- 4** DEVELOPMENT (return in the first development) **4'00"** from 20 to 24 °C
- 5** FIXING (not essential but recommended, use the normal fixing for papers) **1'00"** 20 °C
- FINAL WASHING **5'00"** from 15 to 30 °C

### NOTES

The result changes according to the sensitive material, each type of paper offers a variety of tones, another extremely interesting feature for creativity.

Contrast can be changed in all Multigrade photo papers with the appropriate filters.

With 1 liter of bleach in working solution, you can treat at least 60 photographic papers measuring 13x18cm, or 30 20x25cm, the development must be used as long as it is effective.

# PHOTOGRAPHIC and CINEMATOGRAPHIC FILMS

FILM SPEED: **films do not always meet the nominal iso, a test is recommended**

DILUTION PART (1) 1 + 1 (it is reusable)

DILUTION PART (2A) (2B) 1+1+14 (one shot) example: 20ml 2A + 20ml 2B + 260ml water

**1+1+18 CINEMATOGRAPHIC FILMS**

DILUTION PART (X) 12gr to be diluted in 1L water (it is reusable)

**OPERATE AT THE INDICATED TEMPERATURES - SHAKE OR TURN UPSIDE DOWN TANK 10" EVERY MINUTE**

## PROCESS

**1 DEVELOPMENT** (1) **10'00" 22 °C +/- 0,5 °C** (CINEMATOGRAPHIC FILMS develop for 15'00")

WASHING IN WATER 1'00" 20 °C +/- 2,0 °C (running water or 3x30" with water change)

**2 BLEACH** (2A) (2B) **5'00" 20 °C +/- 0,5 °C** (CINEMATOGRAPHIC FILMS 6'00") (one shot)

WASHING IN RUNNING WATER 2'00" 20 °C +/- 2,0 °C

(attention: immediately after bleaching and washing, open the tank in dim light and visually check that the silver image has completely erased, if not, add time to bleaching)

**3 WASHING WITH** (X) (recommended) **4'00" 20 °C +/- 0,5 °C**  
(wash until the transparent parts of the film are completely clean, watch and monitor the process)

WASHING IN WATER 1'00" 20 °C +/- 2,0 °C (running water or 3x30" with water change)

at this point it is possible to operate in full light

**4 REVERSE WITH DIRECT LIGHT**

we suggest to do it inside a transparent or white container, in water at 20 °C and with very powerful and close light as in the picture (1.800 LUMEN or 150w for 2 minutes for each side of the reel, one reel at time at 10cm)



**5 DEVELOPMENT** (return to the first development) **4'00" 20 °C +/- 0,5 °C** (CINE FILMS develop for 2'30")

**6 FIXING** (recommended, use normal film fixing) **1'00"** at 20 °C

FINAL WASHING **5'00" 20 °C +/- 2,0 °C**

**CAUTION: DO NOT TOUCH THE FILM UNTIL COMPLETE DRYING**

## NOTES

Up to 15 films 135 or 120 can be processed with a kit.

You can reverse all existing black and white films including 8/16/35mm, CINEMATOGRAPHIC FILMS, most of them have their own base with a slight dominant, a feature that will remain after the process. There are films with a transparent base, which will maintain a more crystalline appearance particularly on the lights.

## WARNINGS

By opening the **ROBA APPOSTA** kit containers, the user declares to have read and understood the instructions and the precautions for use of the product enclosed with the package. Always shake the contents of the bottles before use.

The products are very well preserved even after open.

**CAUTION** prevent the components (1) and (2A) (2B) must come into contact with each other, otherwise they would cancel their effectiveness.

## Precautions in the use of chemical products:

Like all photo treatment chemicals, even the KIT ROBA APPOSTA contains substances that can be irritating to the skin and dangerous if swallowed. KEEP OUT OF REACH OF CHILDREN!

(1) may cause an allergic skin reaction, causes serious eye irritation, suspected of causing genetic alteration, suspected of causing cancer, harmful to aquatic life with long lasting effects

(2A) causes severe skin burns and serious eye damage, toxic to aquatic life with long lasting effects

(2B) it causes serious skin burns and serious eye injuries

(X) harmful if swallowed, causes serious eye damage, in contact with acids liberates toxic gases

## IMPORTANT TIPS

Avoid breathing dust, fumes, gases, mist, vapors, aerosols, in case of contact with solutions, wash thoroughly and rinse with plenty of water.

In particularly sensitive individuals, it may occasionally give an allergic skin reaction following repeated contact.

Remember to use rubber gloves, which must be washed carefully on the outside before they are removed.

Disposal of the used chemical must be carried out in compliance with current national and local regulations.

For more information on hazard and precautions, request the contents of the safety data sheets at the email address: [info@fineartlabo.com](mailto:info@fineartlabo.com)

Emergency telephone number - Bellini Foto S.r.l. (PG) - Tel. +39 075 985174

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