

# Drafting Guide for **KODASTAR** Materials



# DRAFTING FILMS

## KODASTAR Wash-Off Films

Versatile, durable, dimensionally stable. Won't tear, crack or yellow with age, and yield high-quality duplicates. Appreciate the difference; make it work for you.

## Characteristics

KODASTAR Wash-Off Films have a matte drafting surface on ESTAR Base (polyester) that is 0.10mm thick. Pencil lead or ink adheres well to the drafting surface without being absorbed into the material. When proper tools, drafting media, and erasing techniques are used, the matte drafting surface will not be damaged.

In processing wash-off films, activator hardens the image area so that the remaining emulsion washes off, leaving only the photographic image on the matte base.

In processing conventional films, developer turns the silver in the image black; fixer removes the silver from non-image areas, making them insensitive to light. When processing in this manner, the entire emulsion on the film remains intact.

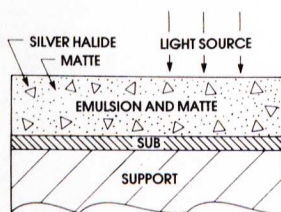
## Wash-Off Films

- KODASTAR Wash-Off Contact Film WC2
- KODASTAR Wash-Off AUTOPOSITIVE Film WA2
- KODASTAR Wash-Off Projection Film WP2

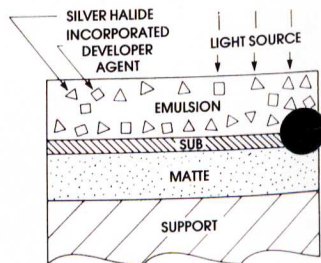
## WHAT IS THE DIFFERENCE?

### CONVENTIONAL FILM

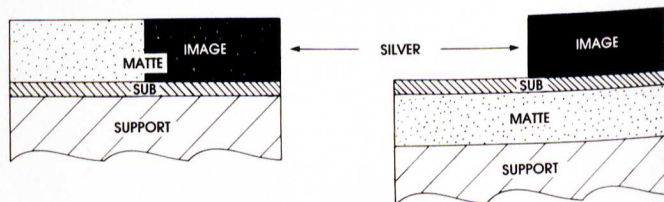
#### UNPROCESSED



### WASH-OFF FILM



#### PROCESSED



# REMOVING LINES

## Wash-Off Films

To remove ink or photographic lines from KODASTAR Wash-Off Films, follow this easy procedure. Dip a cotton swab in water, dampen the line, and allow the line to absorb the moisture for a few seconds. Then, with a soft, non-abrasive eraser, remove the line. Use the same eraser to remove pencil lines—no water moistening is necessary. To remove large image areas rapidly and conveniently, follow these tips:

- Dilute one part of household bleach, or other 5-per cent solution of sodium hypochlorite, with three parts water.
- Apply the solution freely to the image area to be eradicated. Use a cloth, swab, or flexible, felt-tipped applicator.
- Leave the solution in place about 1 minute or until the image loosens and disappears.
- Remove the excess bleach with a paper blotter or moist sponge. Wipe the area with a swab or sponge moistened with water to remove bleach traces.
- Allow the film to dry completely before making drafting revisions.

## Tips

- If residual ink is near the area where the line was removed, wait until the film surface is dry, then erase the ink around the line with a soft, non-abrasive eraser.
- Be patient; wait until the surface dries. The sharp point of a technical drawing pen will take the matte surface off the piece of film if it is wet.
- Do not use a knife-edge or razor blade to remove the ink lines.

## Eraser

When properly used, erasers such as these should produce acceptable results ...

Pelikan PZ70  
Staedtler Mars  
52650, 52658,  
52730



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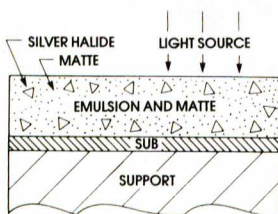
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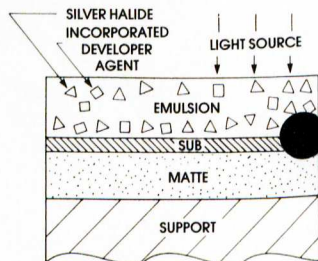
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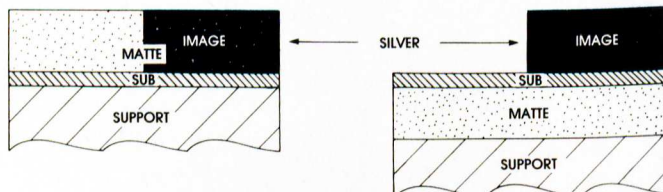
#### UNPROCESSED



### WASH-OFF FILM



#### PROCESSED



# APPLYING LINES

## Pencil

Plastic-type lead—lines adhere well to film and are highly smudge resistant. They may appear brownish-black, but lines have excellent density and reproduce well on photographic and diazo prints.

Combination plastic-graphite lead—the addition of a graphite filler to plastic—results in a more durable lead that requires less sharpening, and produces a dense-black line.

**Note:** Plastic-type and plastic-graphite leads come in a wide range of hardness grades. Choose the one best for you and the job.

### Suitable Pencil

When properly used, pencils such as these should produce acceptable results ...

- Wood case pencil:
- Staedtler Dynagraph
- Fine line lead pencils:
- Pentel with "P" type film lead
- Staedtler Micrograph F or HS Micrograph with Dynagraph (Micro) leads

## Drawing Pens

Jewel-tip, tungsten carbide-tip, hardened-steel-point, and steel-point technical drawing pens may all be used satisfactorily on film. The jewel-tip is often preferred because of its better wearing characteristics, which more than offset its additional cost.

### Suitable Pen

When properly used, pens such as these should produce acceptable results ...

- Rotring Isograph F
- Staedtler Marsmatic
- 07 Duranite

## Ink

The type of ink that can be used on a drafting film must be an ink that indicates on the label it is for use on drafting film. India ink such as that usually chosen for vellum does not work well on film; it tends to chip and may come off the drawing surface.

### Suitable Ink

When properly used, inks such as these should produce acceptable results ...

- Pelican T
- Staedtler Marsmatic 747T

## Typing

Some drafting departments type notes, specifications, lists of materials, etc., on drawings. This works well on KODASTAR Wash-Off Films. Select ribbons that yield letters with ink-like blackness, do not smudge, and come off easily with a soft, non-abrasive rubber or plastic erasers or that may be removed by moistening.

### Suitable Typing Ribbon

When properly used, typing ribbons such as these should produce acceptable results ...

- Varityper Corp., No. 1900
- IBM 5122

## Stamp Pad

Rubber stamps are often used for making quick notations on drawings. Select stamp-pad ink that dries quickly. When properly used, stamp-pad inks such as these should produce acceptable results ...

- P.V.B. Ink
- Sauven Ink No. 15537
- Stephens Ink Rapid Drying Type SS1



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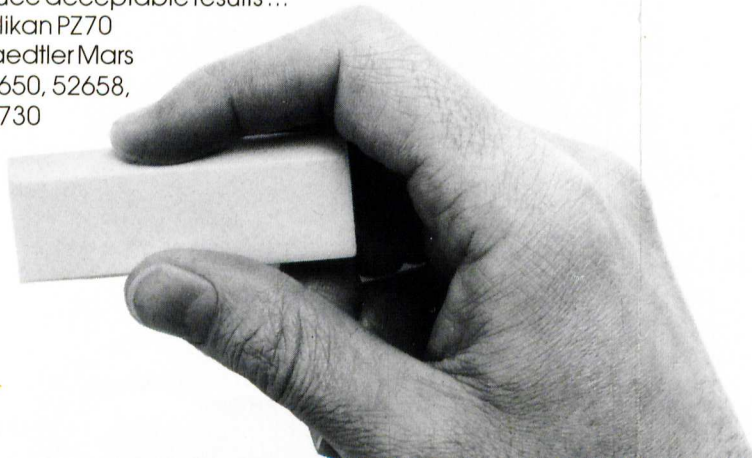
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## More Information Available

We would like to share many more ideas about versatility in reprographics with you.

If you would like to receive Just A Line, our periodical directed to persons involved in architecture, engineering, and reprographics, contact your local Kodak Sales Centre.

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