



# Bromide

## Technical Data Sheet

### **Bromide Papers**

For lovers of the traditional qualities of graded fiber-based papers, Kentmere is proud to present its Bromide B&W Photographic paper. Superb, rich natural blacks, a brilliant base white and outstanding tonal rendition characterize this paper.

### **Product Description**

Bromide Paper features a conventional double weight fiber-base, coated with a neutral tone bromide emulsion. Available in contrast grades 2 - 4. Glossy unglazed surface only.

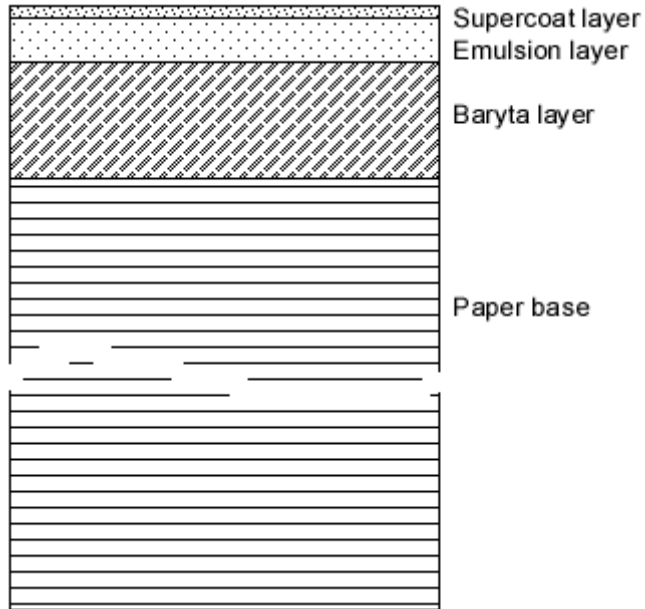
### **Paper Structure**

#### **Double Weight Base**

The double weight paper is 240 g/m<sup>2</sup> coated on the front side with 36 g/m<sup>2</sup> of baryta giving a base weight of approximately 276 g/m<sup>2</sup> and a thickness of approximately 260 µm.

### Coated emulsion layer

The light-sensitive silver halide emulsion layer has a silver content of approximately 1.7 g/m<sup>2</sup>. This is covered with a gelatine supercoat which protects the emulsion from stress fogging and physical damage and also contains a small amount of developing agent.



(Not to scale, for information only)

### Sensitivity ISO Paper Speed

Bromide grade	2	ISO P250
	3	ISO P250
	4	ISO P250

## **Maximum density**

Bromide paper can achieve the following maximum density:

Glossy 2.20

This figure represents an average of the achievable results. A small amount of production tolerance is included. Actual results achieved may differ depending on processing, paper age and storage conditions.

## **Recommended Safelights**

Bromide graded papers have conventional bromide emulsions, which can be used under standard safelights for non-VC type printing papers. Always keep safelight exposure to a minimum; returning unused paper to its original packaging.

Safelight filters which are suitable for use with Bromide graded paper are Kodak OA, OB, OC, or 1A, and Ilford 902. Fluorescent safelight tubes such as Encapsulite A 10/ND.4 are also suitable.

Other safelights can be used, but tests should always be carried out first.

## **• PROCESSING**

To maximize d-max, grade spacing and tonal rendition standard developers such as Kodak Dektol, Clayton P20, Nacco Printol, Agfa Neutol Plus, Arista Premium Paper Developer, Ilford Multigrade Developer, etc. can be used.

Developing time should be 2-3 minutes based on the developer manufacturers' recommendation. A stop bath should be used for approximately 30 seconds. Fixing time will depend on formulation and dilution. Manufacturers' recommendations should be followed.

## **Drying**

Bromide can be dried using any standard fibre base paper drying methods, these include;

Atmospheric drying, either at room temperature or using warm air, having removed excess surface water using a suitable print squeegee. Prints will dry flatter if hung back to back in pairs. Print drying racks or plastic mesh screens can also be used to hold prints flat during drying.

Rotary glazing/drying drums or flat bed glazing/drying presses.

If using a heated glazing surface for drying prints, back of print to the glazing surface, excessive temperatures should not be used, as this can cause the emulsion to melt and adhere to the glazer blanket.

## **Toning**

Bromide is recommended for all varieties of toning including Sepia, Selenium, Gold and Copper. However, as with all fiber base papers "additive" toners such as Prussian Blue are not recommended due to the difficulty of avoiding staining of the baryta base.

Prints to be toned should be thoroughly fixed and washed prior to any toning. Using a non-hardening fixer will help facilitate easier and more consistent toning. Baryta prints should be soaked in clean tepid water for 1 minute prior to toning.

## **Mounting**

Bromide can be mounted using any of the standard methods for fiber-base papers.

Cold adhesive films/cold mounting

· Hot adhesive films/dry mounting

· Spray adhesives such as:

3M Spray Mount Adhesive

3M Photo Mount Adhesive

## **Technical inquiries**

Please address any technical inquiries to:

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