



PHOTO
DATA

Datasheet: BWS Black White Sample Pack

FEATURES

Calibration Grid
50 x 50 mm

PRODUCTS AVAILABLE

Photomasks
Reticles & Calibration Plates
Photo Tooling
Large Format
Agfa Film Supplies
CAD-CAM Software

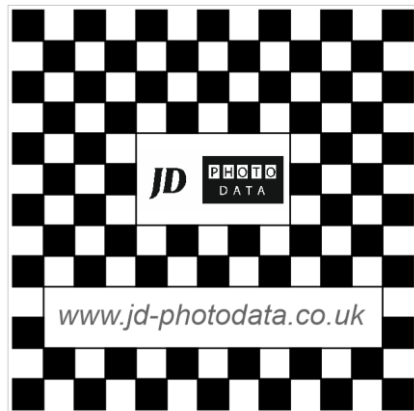
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Black White Sample Pack



This is a sample pack containing 6 different materials, allowing the end user to work out which product conforms to their needs without committing to a larger order.

Each part will be supplied with a code printed on the back. This code relates to the specifications in this document. Text markings allowing you to write your own references as required.

The design is made up of 0.15" squares (3.8mm) in a chequerboard pattern

VARIATIONS

- **CRRU**: Black chrome with white plasticoat backing
- **CRRD**: Black chrome with white plasticoat fronting
- **ERRU**: Black emulsion film with white plasticoat backing
- **ERRD**: Black emulsion film with white plasticoat fronting
- **DRRU**: Black chrome on Diffused White Glass

PRODUCTS OPTIONS

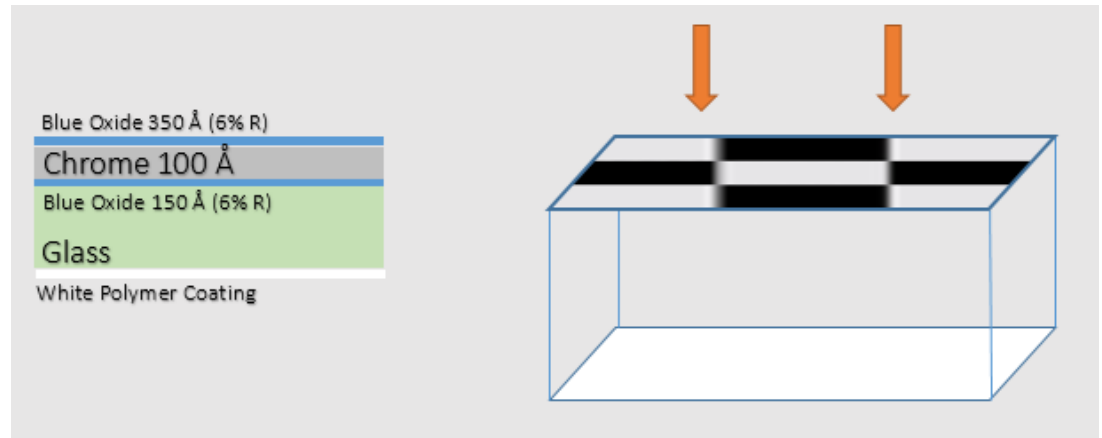
AR Coating

Anti Glare



CRRU

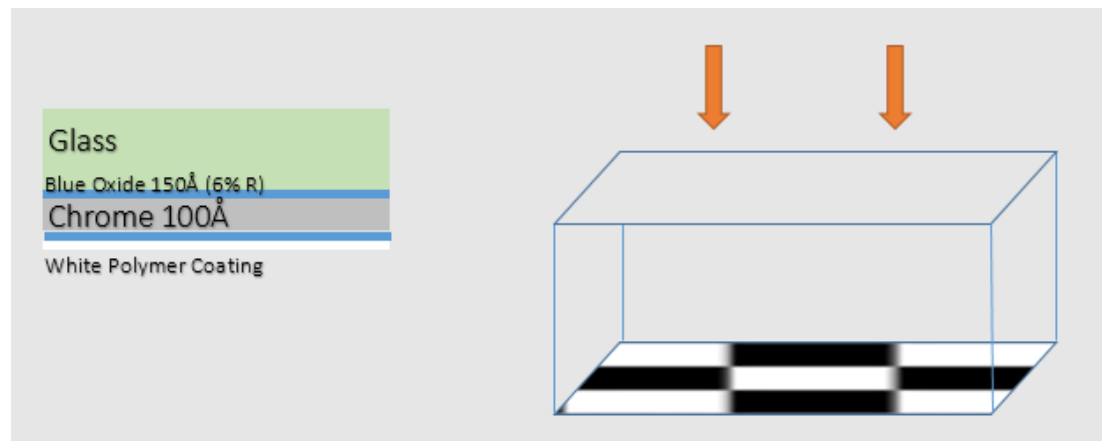
A chrome on soda lime glass plate. Both faces of chrome are coated with blue oxide to reduce reflectivity to 6% in the visible spectrum. The bottom surface of the plate is then coated with a white polymer paint. The view side is from the top surface.



- Very high accuracy patterns
- Line edge and corner definition excellent
- Very flat surface
- Matte or Gloss backing
- Options of Blue, Brown or Silver chrome colours for different reflectivity
- Can be AR coated, can have anti-glare coating
- Dimensionally stable with humidity changes
- With reflected light, can cause shadows from top to bottom surface (not with transmitted light)
- Small dimension changes with temperature changes

CRRD

A chrome on soda lime glass plate. Both faces of chrome are coated with blue oxide to reduce reflectivity to 6% in the visible spectrum. The chrome face is then coated with a white polymer paint, and the whole part then turned upside down to view the bottom surface face through the glass.



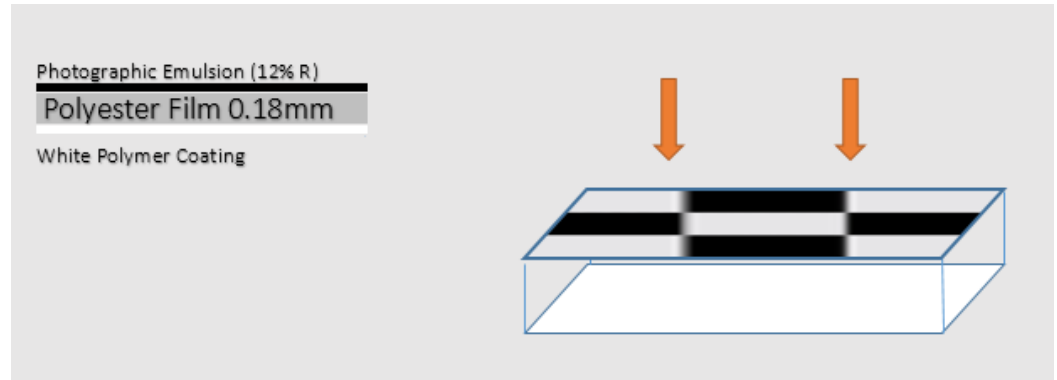
- Very high accuracy patterns
- Line edge and corner definition excellent
- Very flat surface
- Matte or Gloss backing
- Options of Blue, Brown or Silver chrome colours for different reflectivity
- Can be AR coated, can be anti-glare coated
- Need to focus through the glass to the pattern, possible distortions
- Small dimension changes with temperature changes



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ERRU

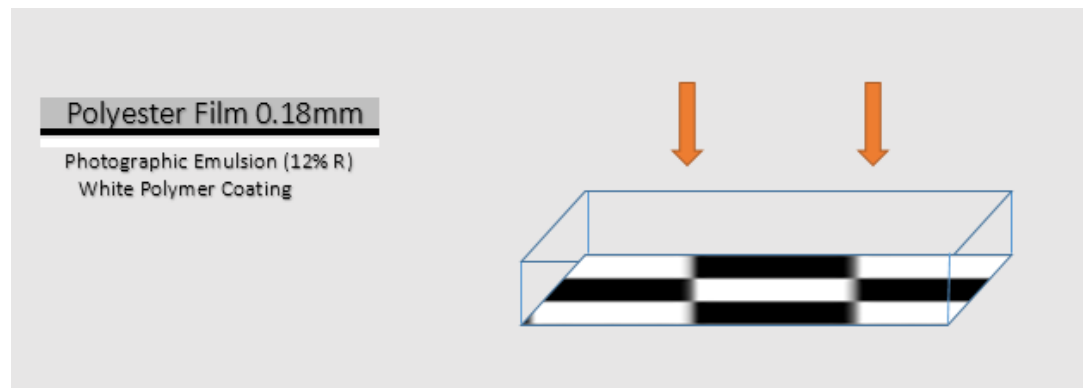
A photographic emulsion film on a polyester base. The polyester face is then coated with a white polymer paint. The view side is from the top surface.



- Good accuracy patterns
- Flat surface
- Matte or Gloss backing, can have anti-glare coating
- Black emulsion, high density
- Line edge and corner definition acceptable
- Can be bonded to other materials (such as glass) after manufacture
- Dimensionally unstable in temperature and humidity changes
- Surface emulsion can be damaged easily
- Small risk of shadows between top surface and bottom surface

ERRD

A photographic emulsion film on a polyester base. The emulsion face is then coated with a white polymer paint which helps protect the delicate image, and the whole part then turned upside down to view the bottom surface face through the polyester.



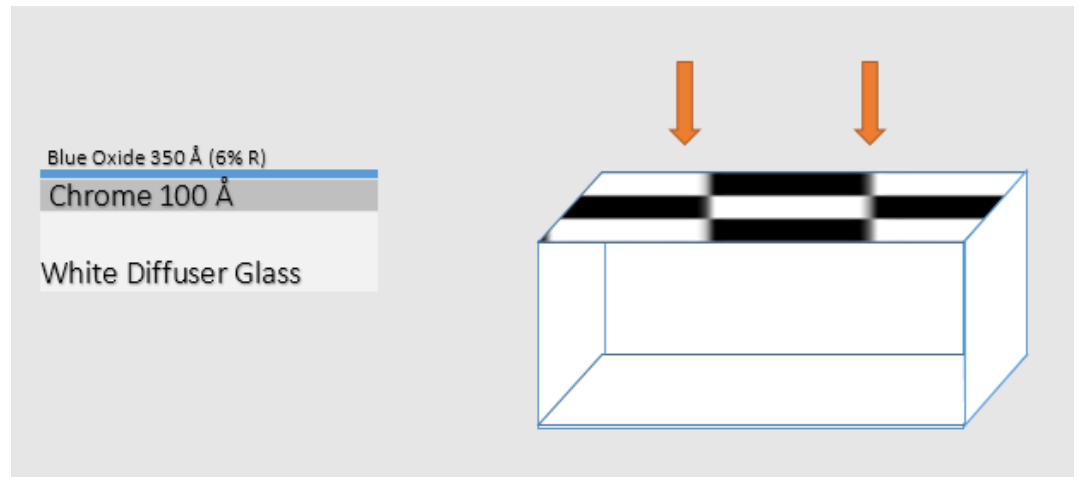
- Good accuracy patterns
- Flat surface
- Matte or Gloss backing, can have anti-glare coating
- Black emulsion, high density
- Line edge and corner definition acceptable
- Can be bonded to other materials (such as glass) after manufacture
- Dimensionally unstable in temperature and humidity changes
- Possible problems with need to focus through the 0.18mm polyester onto the pattern



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DRRU

A chrome on translucent diffused white glass. The glass transmits 30% visible light through transmission, but can have an opaque block added to the rear face. The top face of chrome is coated with blue oxide to reduce reflectivity to 6% in the visible spectrum. The view side is from the top surface.



- Very High accuracy patterns
- Line edge and corner definition excellent
- Stable in temperature changes
- Vert flat – less than 2um peak/trough
- Only available in 1.25mm thickness
- Maximum size 200 x 200 mm, pattern 190 x 190
- Semi Gloss coating – needs “anti glare” or “AR” coating if matte required
- 30% light translucent material – can have opaque block added.