

# **Screen Colour Systems**

## **Metallic Binder & Metallic Powder**

### **(AS 206) & (GT 1109-GT 1110) Technical Data Sheet**

#### **Application**

Metallic Binder is a totally clear textile printing base to make Gold and Silver inks, by the addition of metallic Gold & Silver powders.

#### **Finish and Opacity**

Metallic Binder + Metallic Powder will produce a matt metallic opaque ink.

#### **Mesh**

Recommended mesh counts are gauges between 32 - 55 threads per cm.

#### **Stencils**

Most types of water resistant stencils may be used. Recommended direct emulsions are GT2002 Azo Coat T or GT2017 Azo Coat W.

#### **Mixing**

The Gold powder (GT1109) is mixed into the Metallic Binder at 12% by weight.  
The Silver powder (GT1110) is mixed into the Metallic Binder at 10% by weight.

#### **Catalyst and Pot Life**

The catalyst (GT 1234) cannot be used with the metallic powders as an adverse chemical reaction will ensue. Made up Gold and Silver inks should be used within 2 weeks of mixing.

#### **Printing and Drying**

Customers can adjust the viscosity of the finished ink with the addition of up to 5% of water. Aqua Metallic inks require heat to cure and give a wash-fast result. The curing schedule is 160°C for 4 minutes. What ever your circumstances you must test before and during the print run for correct curing.

#### **Wash Up**

At the end of the print run used screens and squeegees must be cleaned. If you do not clean the mesh straight after printing, reclaiming the mesh may be impossible. We recommend warm water with 5 to 10% of AQ 1003 Degrease Gel to clean both mesh and squeegee.

#### **Standard Packaging and Storage**

Metallic Binder is packed in 1 kilo and 5 kilo containers. The metallic powders are packed in 0.2 kg and 1 kg containers. The binder and powder should be stored in a cool (min 8°C), well ventilated area and will last up to 12 months if kept in sealed containers, in cool conditions.

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This information is given in good faith but without guarantee. It remains the printer's responsibility to test each product for suitability under their own unique conditions. Screen Colour Systems has a policy of continuous development which may make this information out of date, if there is any doubt customers are urged to contact the Screen Colour Systems Technical Department.