

# **Screen Colour Systems**

## **Aqua Kat (GT 1234) Technical Data Sheet**

### **Application**

Aqua Kat is a catalyst specially developed to allow printers, who do not have a conveyor drier or other method of heat curing, a simple and cheap way of curing Aqua Screen Inks. This catalyst when added to Aqua Screen ink in the correct percentage will make the print wash fast in seven days. Aqua Kat can also be added to inks made up from the following binders Clear Binder (AS 100), Opaque Binder (AP 100), Pearl Binder (AS 207), Glitter Binder (AS 1058) and Gloss Binder (AG 100).

### **Finish and Opacity**

Aqua Kat does not effect either the finish or opacity.

### **Stencils**

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

### **Mixing**

Aqua Kat can be added to Screen Colour Systems inks and binders shown above at a ratio of 0.5 - 2% maximum (by weight). You must check the appropriate ratio of catalyst for your print requirements.

### **Pot Life**

The catalyst (GT 1234) must be thoroughly mixed with the ink before use. The catalyst is only effective for 8 hours so only catalyze sufficient ink for use in that period. This new catalyst will reactivate the ink another 2 times before the ink has to be disposed of. (The ink will still look OK to use, but after the third addition of catalyst, subsequent additions will not cure properly on the fabric and will give poor wash results.) GT 1234 can be used in various concentrations ranging from 0.5% to 2%. Without heat the catalyzed ink will fully cure in 7 days time. With heat that time will be reduced. Customers should test for the correct concentration of catalyst in their own printing and curing environment

### **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**

Aqua Kat is packed in 20 gram, 100 gram and 1 kilo containers. Twenty grams is sufficient to catalyze 1 kilo of ink and 100 grams of catalyst is sufficient for 5 kg ink. The catalyst should be stored in a cool (min 8°C) and well ventilated area.

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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.