

Screen Colour Systems

Pearl Binder (AS 207) Technical Data Sheet

Application

Pearl Binder is a ready to use lustre effect printing base. Pearl Binder when blended with Aqua Colourants will produce shimmer and metallic effects without the use of expensive Metallic Powders. (Fluorescent powders are not recommended for this binder)

Finish and Opacity

Pearl Binder is used to give a lustre effect to the printed fabric. This binder is opaque and has a matt finish.

Mesh

Suitable mesh gauges are between 43 - 61 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

Aqua Colourants can be added to the Pearl Binder up to 6% maximum (by weight)

Printing and Drying

Inks made from Pearl Binder are not recommended to be printed wet on wet. This ink requires heat to cure and give a wash fast result. The curing schedule is 150°C for 3 minutes.

Catalyst and 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 catalyse 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 catalysed ink will fully cure in 7 days time. Customers should test for the correct concentration of catalyst in their own printing ink and curing situation.

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

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

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 Screen Colour Systems has a policy of continuous development which may make this information out of date, if there is any doubt customers are urged to contact the Screen Colour Systems Technical Department.