

Screen Colour Systems

Puff Binder (AS 600) Technical Data Sheet

Application

Puff Binder is a neutral textile printing base to which Aqua Colourants are added to make a finished 3D ink.

Finish and Opacity

Puff Binder is used to give a 3D effect to the printed fabric. This binder is opaque and has a matt finish.

Mesh

Suitable mesh gauges are between 29 - 49 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 Puff Binder up to 6% maximum (by weight) NB. Puff Binder can be printed straight from the pot and will be white in colour, therefore the addition of Aqua Colourants will only make pastel shades, not full strength colours. (Fluorescent powders are not recommended for this binder)

Catalyst and Pot Life

The catalyst (GT 1234) cannot be used with the Puff Binder as it needs heat to create the desired effect.

Printing and Drying

This ink requires heat to cure and give a wash fast result. The curing schedule is 150°C for 1.5 minutes. Curing temperatures should not exceed 150°C. Once the ink has raised throughout the print, the curing process has finished, over curing will flatten the raised effect and it will not be possible to repair.

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 Degrade Gel to clean both mesh and squeegee.

Standard Packaging and Storage

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 Screen Colour Systems has a policy of continuous development which may make this information out of date, if there is any doubt customers are urged to contact the Screen Colour Systems Technical Department.