

Screen Colour Systems

Retro Tex Reflective (RT) Technical Data Sheet

Application

Retro Tex Reflective is a reflective water based ink for textiles. The inks are ready to print directly onto natural and synthetic fabric. The printed ink will reflect light that is shone directly onto it in the dark.

Finish and Opacity

Retro Tex in daylight conditions has a matt finish and is completely opaque. In the dark, when reflecting back artificial light, it will appear bright and highly glossy and remains opaque.

Mesh

Suitable mesh gauges are between 32 - 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

Retro Tex Reflective inks contain microscopic glass beads that may settle to the bottom of the pot and should be mixed thoroughly before each print run. Aqua Screen Colourants can be added to RT 100 Binder up to 1% (by weight) Fluorescent Powder should not be added to this binder.

Printing and Drying

Retro Tex Reflective should be printed as the last colour and is not recommended for wet on wet printing. By the ink's very nature of being reflective, curing can be more difficult than normal water based inks. Initial drying and subsequent curing by passing the printed material twice through a conveyer dryer is recommended. During the print run the dryer can be set at 110°C (dwell time 1 – 2 minutes) afterwards the dried print should be cured at 170°C for 3 minutes. This ink is not recommended for non-heat drying and curing.

Catalyst and Pot Life

No catalyst is recommended for this ink

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 a solvent General Purpose Cleaner to clean both mesh and squeegee, but warm water with 5 to 10% of AQ 1003 Degrease Gel can be used if no solvents are available.

Standard Packaging and Storage

Retro Tex Reflective is packed in 1 kilo and 5 kilo containers. The ink should be stored in a cool (min 8°C) and well ventilated area.

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 Screen Colour Systems has a policy of continuous development which may make this information out of date, in the event of any doubt customers are urged to contact the Screen Colour Systems Technical Service Department.