



Ink Additives and Aerosols

Actisol Superjet Screen Spray

Actisol Superjet is a fluorocarbon-free aerosol spray designed to re-open screens after short breaks or whenever dried ink films clog the screen.

Actisol has the following advantages:

- Minimum stoppage time, no need to wash up.
- Suitable for all photostencils and water soluble cut stencils.
- Powerful spray - suitable for large format presses.
- Usable with all Sericol and most other solvent-based screen inks.

Applications

Clogged areas of mesh may be sprayed from a distance of up to 1m. Printing can then continue using spoil sheets until the mesh opens and the run can proceed normally.

Although suitable for use with most solvent-based screen inks, it will not completely re-dissolve hard films of ink.

Actisol Superjet is not recommended for use with stencils attacked by lacquer type solvents.

Standard Packing

ARG13 500ml Aerosol container

Aerostat Anti-static Spray

Aerostat is a fluorocarbon-free aerosol spray specially formulated to eliminate printing and feeding problems caused by static electricity.

Aerostat has the following advantages:

- Reduces stock spoilage due to imperfect prints.
- Saves time due to stoppages for print or feed problems. Particularly effective when using plastic stocks.
- May be used as an anti-static film cleaner.

Applications

Aerostat should be sprayed on to the printing bed, feed board, delivery tapes or other parts of the press generating a static charge.

Printing stocks should not be sprayed without testing compatibility - on most materials Aerostat does not adversely affect ink adhesion. If Aerostat does not eliminate the effects of static electricity completely, the recommended quantity of Constat should be added to the inks. Aerostat may be used to clean film positives and reduce dust attraction caused by static. The film should be sprayed with Aerostat and polished with a lint free cloth.

Standard Packing

ARW11 493ml Aerosol container

Safety and Handling

Actisol Superjet and Aerostat are supplied in pressurised containers. Do not expose to temperatures exceeding 50°C. Store away from direct sunlight. Do not puncture or incinerate can, even after use.

Do not spray on a naked flame or incandescent material. Actisol Superjet and Aerostat are flammable.

Constat Anti-static Additive

Constat is a liquid additive for overcoming the electrostatic attraction of stocks to the screen during printing. A small addition of Constat to the inks is effective even when static-prone screens are used.

Additions

The correct addition of Constat to any given ink is as follows:

Plastic Inks

Add 10-15ml. of Constat to 1 ltr/1 kg of ink

Add 50-100ml. of Constat to 5 ltr/5 kg of ink

Paper Inks

Add 10-25ml. of Constat 1 ltr/1 kg of ink

Add 50-100ml. of Constat 5 ltr/5 kg of ink

Constat should be stirred thoroughly into the unthinned ink.

Constat has limited compatibility with screen inks and the above proportions should not be exceeded.

Printing

Constat will suppress any flutter of the paper or plastic stock caused by the passage of the squeegee over the screen. In severe conditions of static generation, (such as may occur on hot dry days with nylon screens and hard polyurethane squeegees), ink may be attracted back over the printed area immediately after the printing stroke has been completed. The addition of Constat to the ink almost always eliminates this problem.

Standard Packing

MSG15 1 ltr

Safety and Handling

Constat is flammable. Flashpoint 57°C. Excluding flammability, Constat is not hazardous when used with reasonable standards of industrial hygiene and safe working practice.

Protect from frost. Store in a cool environment.

Ink Flow Agent

Under certain conditions it may be desirable to increase the flow properties of the ink in use, e.g. to promote an even coverage on textured surfaces.

Additions

When necessary, 0.5% (one half of one percent) by volume of Ink Flow Agent can be added to most solvent-based screen inks and thoroughly stirred in before use. This quantity is normally sufficient to cure most flow problems but in severe cases a further 0.5% may be added.

Care should be exercised when using this material to ensure that the maximum addition of 1% is not exceeded. Failure to comply with this recommendation can aggravate rather than cure flow problems.

Our Technical Service Department will be pleased to advise in cases of difficulty.

Standard Packing

ZT633 5 ltr

ZT633 1 ltr

Safety and Handling

Ink Flow Agent is flammable. Flashpoint 40°C. Store away from heat. Excluding flammability, Ink Flow Agent is not hazardous when used with reasonable standards of industrial hygiene and safe working practice.

Gel Reducer and Gel Retarder

Gel Reducer and Gel Retarder are special solvents which can be used with most screen inks to promote thixotropy.

The gel-like structure of thixotropic inks will be found particularly useful for the following applications:

- For printing extremely fine definition without flooding.
- To retain print definition when printing onto textured or uneven surfaces.
- In combination with Constat, to combat the cobwebbing effect sometimes encountered on certain plastics due to static.
- To improve hold out properties on absorbent stocks.
- To 'shorten' inks when pad transfer printing.

Additions

Gel Reducer and Gel Retarder are compatible with most solvent-based screen inks and may be used in conjunction with or in place of the standard solvents. However, when thinning inks entirely with the gel solvents it is recommended to make tests prior to production as gloss level and ink adhesion may be impaired on certain substrates.

Gel Reducer and Gel Retarder are particularly useful when screen inks are to be applied by pad transfer printing. Pad transfer printing generally needs a 'short' thixotropic structure for best results.

Standard Packing

ZE583 Gel Reducer and ZE584 Gel Retarder are available in 5 ltr and 1 ltr containers.

Safety and Handling

Gel Reducer:

Is flammable. Flashpoint 41°C. Store away from heat. Excluding flammability, Gel Reducer is not hazardous when used with reasonable standards of industrial hygiene and safe working practice.

Gel Retarder:

Is flammable. Flashpoint 53°C. Store away from heat. Excluding flammability, Gel Retarder is not hazardous when used with reasonable standards of industrial hygiene and safe working practice.

Comprehensive information on the Safety and Handling of Sericol products is given in the appropriate Sericol Safety Date Sheet, available upon request.

The information and recommendations contained in this Product Information sheet, as well as technical advice otherwise given by representatives of our Company, whether verbally or in writing, are based on our present knowledge and believed to be accurate. However, no guarantee regarding their accuracy is given as we cannot cover or anticipate every possible application of our products and because manufacturing methods, printing stocks and other materials vary. For the same reason our products are sold without warranty and on condition that users shall make their own tests to satisfy themselves that they will meet fully their particular requirements. Our policy of continuous product improvement might make some of the information contained in this Product Information sheet out of date and users are requested to ensure that they follow current recommendations.

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