

Micro FIX - FL

► Quick drying , satin finish, Opaque

Substrates: Untreated polypropylene and pre-treated polypropylene, polyethylene

Application

Micro FIX-FL is a range of specialized screen inks that gives excellent adhesion on untreated polypropylene and pre-treated polypropylene and polyethylene sheets, injection molded containers and articles.

The common applications of these inks are for printing battery cases, injection syringes, electronic components, packaging, domestic appliances, etc.

Characteristics

- Quick drying, satin finish
- Resistance to battery acid, bleaching agents, alkalies, lubricants
- Excellent adhesion

Drying

The print becomes surface dry in 5-8 min. and hard dry in 30-45 min. at a temperature of 25° C making them suitable for stacking.

It takes about 1-2 min. to become tack-free dry when passed through a tunnel oven at 50-70° C.

Adhesion and other product performance tests can be carried out after 24 hours.

Range

Micro FIX-FL Matching System : Almost any shade can be matched by mixing the selective inks of the matching system which comprises of the basic shades as follows :-

Match Light Yellow FL-101
Match Mid Yellow FL-102
Match Deep Orange FL-111
Match Scarlet Red FL-121
Match Carmine Red FL-122
Match Magenta FL-131

Match Violet FL-141
Match Ultra Blue FL-151
Match Deep Blue FL-152
Match Green FL-161
Match Tinting White FL-171
Match Tinting Black FL-181

Mixing Clear Base FL-191

Mixing Extender Base FL-192

Spot colours :

Bright Yellow FL-201
Light Orange FL-211
Vermilion FL-221
Brilliant Red FL-223
Purple FL-241
Sky Blue FL-251
Royal Blue FL-252

Reflex Blue FL-253
Yellow Green FL-261
Grass Green FL-262
Forest Green FL-263
Opaque White FL-271
Brilliant White FL-272
Dense Black FL-281

Process Colours :

Cyan FL-401
Magenta FL-402
Yellow FL-403
Black FL-404

By adding Clear Base FL-191, the ink density can be reduced. The ink density can be increased by adding ink concentrates for the process colours in required proportion or by using a coarser mesh.

Metallic Inks (Bronzes) :

Rich Gold SH-801
Rich Pale Gold SH-802
Silver SH-804
Metallic Clear Base FL-191

The metallic ink made by mixing the metallic pigment with Metallic Clear Base should be processed within 6-8 hours.

Yield : 55-65 sq. meters. (with 120 mesh/cm. and 15 % dilution with Reducer/ Retarder)

Auxiliaries :

Reducer : AX-921 can be added 10 to 20 % to the ink to get a desired consistency.

Retarder : AX-922 can be added 10 to 20 % to the ink to get a desired consistency when required to make the ink slow drying. Even a suitable combination of the Retarder with the Reducer can be used to get a desired retarding effect.

Quick Dry Reducer : AX-923 can be used instead of AX-921 for very high speed printing jobs.

Accessories :

Fabrics : Polyester or Nylon mesh of 100-140T are suitable. Even 77-90T can be used depending upon the type of job & the substrate to be printed to achieve desired opacity or print effect .

Stencils : All solvent resistant stencils can be used.

Squeeze : Generally 65-75 durometer sharp edge squeezes are suitable.

Please note :- Material Safety Data Sheet is available on request.

Note: This information is compiled based upon field experience and extensive laboratory testing. However, customers are requested to satisfy themselves that the products meet their requirements in all respects before starting a print run. Since the printing conditions are not under our control, no guarantee can be given for their performance.
