

Technical information

Screen Inks



Micro Graph - MG

Quick Drying, Glossy Finish, Opaque

Screen Inks for Graphics



Substrates:

Paper, card, cardboard, Art papers, chromo papers

Application

Micro GRAPH-MG is a range of quick-drying high gloss screen inks for the applications for decorative printing jobs like posters, labels, letterheads, invitation cards, folders, display articles, four colour half-tone printing, packaging, etc. on a wide variety of papers, cards, cardboards, art papers, coated papers, etc.

Characteristics

- Solvent based quick drying inks -most suitable for high speed printing jobs
- Good screen stability for a smooth print operation
- High gloss finish (depends on substrate used)
- Non-toxic, meets EN- 71 part 3 Toy safety standard for heavy metals*

Drying

The print becomes surface dry in 8 to 10 minutes and tack-free dry in 20 to 30 minutes at a temperature of 25° C making them suitable for stacking

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

Range

Micro GRAPH-MG 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	MG -101	Match Violet	MG -141
Match Mid Yellow	MG -102	Match Ultra Blue	MG -151
Match Deep Orange	MG -111	Match Deep Blue	MG -152
Match Scarlet Red	MG -121	Match Green	MG -161
Match Carmine Red	MG -122	Match Tinting White	MG -171
Match Magenta	MG -131	Match Tinting Black	MG -181
Mixing Clear Base	MG -191	Mixing Extender Base	MG -192

Spot Colours

Bright Yellow	MG - 201	Sky Blue	MG - 251
Light Yellow	MG - 301	Royal Blue	MG - 252
Mid Yellow	MG - 302	Reflex Blue	MG - 253
Light Orange	MG - 211	Yellow Green	MG - 261
Deep Orange	MG - 311	Grass Green	MG - 262
Vermilion	MG - 221	Forest Green	MG - 263
Scarlet	MG - 322	Opaque White	MG - 271
Brilliant Red	MG - 223	Brilliant White	MG - 272
Purple	MG - 241	Dense Black	MG - 281

***Note:** MG- 301, MG -302, MG -311, MG -322 are Lead containing inks which do not comply with EN-71.3

Process Colours:

Cyan	MG - 401	Density : 1.5
Magenta	MG - 402	Density : 1.4
Yellow	MG - 403	Density : 1.3
Black	MG - 404	Density : 1.8

The density values are arrived at by using 140.31 T mesh at a dilution of 10 % with Reducer. By adding Extender Base MG-192, the ink density can be reduced. The ink density can be increased by adding ink concentrates for the process in colours in required proportion or by using a coarser mesh

A coat of Over Print Varnish MG-193 on the whole printed area will enhance the gloss of the print

Yield : 50-60 sq. meters. (with 120.34 mesh/cm. and 10-15% dilution with Reducer/ Retarder)

Metallic Inks (Bronzes) :

Rich Gold	SH -801
Rich Pale Gold	SH -802
Silver	SH -804
Sparkling Rich Gold	SH -841
Sparkling Rich Pale Gold	SH -842
Sparkling Silver	SH -844
Metallic Clear Base	MG-191

Mixing ratio of Metallic Pigment with Metallic Clear Base 1:10 to 1:5

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

SCREEN ATM:

Any Quantity

Any Colour

Any Substrate

Any Time

Micro Inks revolutionises screen inks with its Screen Inks ATM (Any Time Matching). Get your screen inks in 15 minutes flat.

Micro Inks Limited offers INSTANT COLOUR MANAGEMENT SOLUTION to commercial printers, packaging companies and distributors by introducing Computerized Colour Matching Software.

Contact us for detail information on Technology, Infrastructure and Equipments.

Auxiliaries :

Reducer : AX-901 can be added 10 to 20 % to the ink to get desired consistency

Retarder : AX-902 can be added 10 to 20 % to the ink to get 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 desired retarding effect

Quick Dry Reducer : AX-903 can be used instead of AX-901 for very high speed printing job

Cleaning Aid: AX-904 can be effective for cleaning the mesh

Accessories:

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

Stencil: All solvent resistant stencils can be used

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

Material Safety Data Sheet is available on request

Note : The Technical information sheet reflects the current state of our knowledge. 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