

## Micro PAD - PDB

Quick Drying, Glossy Finish, Opaque

### Pad Printing Inks



#### Substrates :

Pre - treated polyethylene and polypropylene, polystyrene

#### Application

Micro PAD - PDB are oilo-resinous pad printing inks with quick drying, excellent transfer property, suitable for wet-on-wet printing. Specially developed for printing packaging containers, molded articles, gift novelties, etc.

#### Characteristics

- Quick drying with excellent transfer property - suitable for wet-on-wet printing
- Excellent adhesion
- High gloss finish with high opacity
- Good resistance to water, detergents, lubricants etc.
- Available on request : Non- toxic ink that meets EN- 71 part 3 Toy safety standard for heavy metals\*

#### Drying

The print becomes surface dry in 1 to 3 minutes and hard dry in 1 to 2 hours at a temperature of 25°C making them suitable for stacking

It takes about 5 - 7 minutes to become hard dry when passed through a tunnel oven at 60 to 80°C.

#### Range

**Micro PAD - PDB Matching System** : Almost any shade can be matched by mixing the selective inks of the matching system which comprises of the basis shades as follows :

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

#### Spot Colours

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

## Process Colours

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

By adding Extender Base PDB-192, 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)

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

Recommended mixing ratio of Metallic Gold Pigment with PDB - 191 (without hardener) is 1:4 to 1:6

Recommended mixing ratio of Metallic Silver Pigment with PDB - 191 (without hardener) is 1:4 to 1:6

## PAD PRINTING ATM:

Any Quantity

Any Colour

Any Substrate

Any Time

Micro Inks revolutionises pad inks with its Pad Printing Inks ATM (Any Time Matching). Get your 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 RT-9022** can be added 10 to 20 % to the ink to get desired consistency

**Retarder RT-5102** 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

**Over Print Varnish PDB-193** : For improvement of scratch and fade resistance of the print

**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.