

Technical Information

Screen Inks | Packaging Printing



PAD - PDF

Quick drying, Satin finish, Opaque

Substrates

Untreated Polypropylene and Pre - treated Polyethylene & Polypropylene

Application

Untreated and pre - treated polypropylene and polyethylene sheets, injection molded containers and articles

Characteristics

- Quick drying with excellent transfer property – suitable for wet-on-wet printing
- Excellent adhesion
- Satin finish with high opacity
- Good resistance to water, acid, alkali, lubricants, etc

Drying

The print becomes surface dry in 1 to 3 min. and hard dry in 20 to 30 min. at a temperature of 25° C making them suitable for stacking. It takes about 5 - 7 min. to become hard dry when passed through a tunnel oven at 50 to 70° C

Range

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

Spot Colours

Bright Yellow	PDF - 201	Reflex Blue	PDF - 253
Light Orange	PDF - 211	Yellow Green	PDF - 261
Vermilion	PDF - 221	Grass Green	PDF - 262
Brilliant Red	PDF - 223	Forest Green	PDF - 263
Purple	PDF - 241	Opaque White	PDF - 271
Sky Blue	PDF - 251	Brilliant White	PDF - 272
Royal Blue	PDF - 252	Dense Black	PDF - 281

Process Colours

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

By adding Clear Base PDF - 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	PDF - 191

Recommended mixing ratio of Metallic Gold Pigment with PDF - 191 is 1:4 to 1:6

Recommended mixing ratio of Metallic Silver Pigment with PDF - 191 is 1:4 to 1:6

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

Auxiliaries

Rheology Improver - RIPAD - 9022 can be added 10 to 20 % to the ink to get a desired consistency.

Rheology improver Slow - RIPAD - 9073 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.

PAD FAST RHEOLOGY IMPROVER - RIPAD - 0933 can be used instead of RIPAD - 9022 for very high speed printing jobs

Over Print Varnish PDF - 193 - For improvement of scratch and fade resistance of the print

Please note - Material Safety Data Sheet is available on request

Shelf Life

At least 12 months when stored under the correct condition
(Protected against heat and light at 30°C)

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.