

# Technical Information

Screen Inks | Packaging Printing



## PAD - PDP Inks

Quick drying, Glossy finish, Opaque

### Substrates

Pre - treated Polyethylene and Polypropylene

### Application

PAD-PDP are solvent - based pad printing inks with quick drying, excellent transfer property, specially developed for the following applications

- Packaging containers, Closure & gift novelties, etc
- By adding 5 - 10% Catalyst HRD - 621, the ink can also be used to print on thermosetting plastics, coated substrates and metal. With the addition of the hardener, further improvement in respect to adhesion, mechanical resistance, water resistance and resistance to lubricants and detergents can be achieved

### Characteristics

- Quick drying with excellent transfer property – suitable for wet-on-wet printing
- Excellent adhesion
- Gloss finish with high opacity
- Good resistance to water, detergents, lubricants, etc
- Cyclo Hexane Free Inks

### 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

PDP - 1031	PAD PDP CYCLO Free Pep Red
PDP - 1035	PAD PDP CYCLO Free Untoned White
PDP - 1036	PAD PDP CYCLO Free Toned White (Equivalent shade to Pepsi White)
PDP - 1037	PAD PDP CYCLO Free Base Varnis
PDP - 1041VI	PAD PDP CYCLO Free Trans Ink (OPV)
PDP - 1043	PAD PDP CYCLO Free Green

PDP - 1044	PAD PDP CYCLO Free Red
PDP - 1050	PAD PDP CYCLO Free Black
PDP - 1058	PAD PDP CYCLO Free Pan 4975c Brown
PDP - 1060	PAD PDP CYCLO Free 7734c Frooti Green
PDP - 1062	PAD PDP CYCLO Free Pant 186 C Red
PDP - 1064	PAD PDP CYCLO Free Yellow
PDP - 1067	PAD PDP CYCLO Free Pan 186 C Red
PDP - 1068	PAD PDP CYCLO Free Pan 394 C Yellow

## Matching Colours

PDP - 5504	Fanta Blue
PDP - 5505	Fanta Green
PDP - 5506	Coca Cola Red
PDP - 5515	Pepsi Blue

## Metallic Inks (Bronzes)

Rich Gold	SH - 801
Rich Pale Gold	SH - 802
Silver	SH - 804
Metallic Clear Base	PDP - 1037

Recommended mixing ratio of Metallic Gold Pigment with PDP - 1037 (without hardener) is 1:4 to 1:6.

Recommended mixing ratio of Metallic Silver Pigment with PDP - 1037 (without hardener) is 1:4 to 1:6.

Mixing ratio of mixture of metallic pigment & Clear Base with Hardener HRD - 621 is 10: 1.

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

## Auxiliaries

Rheology Improver - RIPAD - 931 can be added 10 to 20 % to the ink to get a desired consistency.

Rheology Improver (Slow) - RIROT - 0935 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.

Fast Dry Rheology Improver - RIPAD - 0933 can be used instead of RIPAD - 931 for very high speed printing jobs.

Over Print Varnish PDP - 1041VI - For improvement of scratch and fade resistance of the print.

Recommendation for rotary Pad machine: Ratio of the fast & slow rheology improver (Fast - 80% slow - 20 % with 5% catalyst). The adjustment is depend based on climate condition.

**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.