UltraMix® PIGMENT DISPERSION COLOR SYSTEM

**Recommended Fabrics**
- 100% Cotton
- 50/50 Cotton/Polyester Blends
- Tri-Blends (Base Dependent)
- Nylon (Base Dependent)

**Ink Application**
The Pigment Dispersion Color System should be used as is to make Pantone® colors - modification may be necessary to achieve a desired print effect.

**Additives**
Not required for matching Pantone® colors in the Pigment Dispersion Color System, but may be added to make custom embellishments.

**Screen Mesh**
25-305 t/in (10-120 t/cm) monofilament - depending on desired effect and printing parameters.

**Emulsion**
Any direct or indirect emulsion or capillary film in the 35 to 70 micron range for standard printing.

**Squeegee**
50-80 Durometer - depending on desired effect and printing parameters.

**Cure Temperatures**
325°F (163°C) entire ink film, base dependent.

**Clean-Up**
Any eco-friendly plastisol screen wash.

**Product Packaging**
Quart, 1 gallon, 5 gallon, 30 gallon or 50 gallon containers.

**Storage of Ink Containers**
65°F to 90°F (18°C to 32°C)
Avoid storage in direct sunlight
Keep containers well sealed.

**SDS**
Refer to SDS prior to use.

**Features**
UltraMix® Pigment Dispersion (PD) Color System consists of 19 non-phthalate, intermixable, high performance pigment dispersions along with 2 mixing bases, that can be used to strengthen, shade, enhance or make Pantone® colors.

Create special or standard colors by mixing the Pigment Dispensions with compatible International Coatings' bases. UltraMix® Pigment Dispersions can also be used with International Coatings' UltraMix® Pantone® color matching software, either online or on the desktop version.

**Colors**
- PD03 Yellow
- PD05 Scarlet
- PD07 Red
- PD09 Violet
- PD11 Marine Blue
- PD13 Blue A (GS)
- PD15 Blue B (RS)
- PD17 Green
- PD36 Black
- PD38 White
- PD19 Fluorescent Magenta
- PD21 Fluorescent Violet
- PD23 Fluorescent Blue
- PD25 Fluorescent Green
- PD27 Fluorescent Yellow
- PD29 Fluorescent Lemon
- PD31 Fluorescent Orange
- PD33 Fluorescent Pink
- PD35 Fluorescent Red

**PD System Bases**
- 141 High Density Base
- 159 Ultra Clear Glitter Base
- 720 Softhand Clear Base
- 7500 CC Very Opaque Base
- 7038, 7041 CC Mixing Base
- 7100 Mixing Base
- 7550 CC Very Opaque Base
- 3816 Sentri Clear
- 7550 CC Very Opaque Base
- 9000 Clear Base

**Compatible Bases**
- 15 Blue B (GS)
- 13 Blue A (GS)
- 11 Marine Blue
- 07 Red
- 05 Scarlet
- 03 Yellow
- 27 Fluorescent Green
- 25 Fluorescent Green
- 23 Fluorescent Lemon
- 29 Fluorescent Lemon
- 31 Fluorescent Pink
- 36 Black

**Important Information**
In order to achieve the best color matching results using the UltraMix® Pigment Dispersion (PD) Color System, the specified system colors must be used. Using colors other than the specified PD’s can produce inaccurate color matching results.

Colors produced using the UltraMix® Pigment Dispersion (PD) Color System will vary in opacity. Colors will reproduce best on white or light colored fabrics printed through a 156 t/in (62 t/cm) mesh screen. Colors may appear metameric (may not match well) when viewed under different types of lighting.

Use an underbase print when printing the Pigment Dispersion System onto dark fabrics. Use 711, 7014, 7031, 7038, 7041 or 7042 white as the underbase ink. To achieve a softer hand and faster production speeds, print the underbase ink through finer mesh counts (230 to 305 t/in or 90 to 120 t/cm mesh).

The Pigment Dispersions can be added to other bases to create your own custom colors and effects. The maximum amount of Pigment Dispersion that should be added into a finished colored ink is 10% by weight. The maximum addition into other compatible bases is 20% by weight. Always test first. Note that adding too much of the Pigment Dispersions or other reducers and additives to a non Pigment Dispersion System ink or base can possibly lead to crocking, poor bleed resistance or change in curing/fusing parameters.

Test dryer temperatures and wash test printed products before and during a production run.

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