

PVC & PHTHALATE FREE PLASTISOL SYSTEM

GENERAL USAGE DATA FOR PPF SYSTEM PRINTING INKS

A-) SETTINGS BEFORE PRINTING :

- Be sure that your ink container, spatula, agitator, squeege and your printing screen are totally clean , in order to avoid chemical residues in the tests after printing. (For the sensitivity of the tests at ppm level, mixing less than 1/10 of a drop phthalate in 1 kg of **PPF INK** can cause a high value of 100 ppm phthalate , and the printing will fail in the tests.)
- **PPF THINNER** should be definitively used if the ink is needed to be thinned.
- If an extra soft touch is required, 5-10% Softner should be added
- For a smooth , more covering printing surface and the low use of ink, it is recommended to use **PPF THICKENER** powder at %1-2

1-) POINTS TO CONSIDER IN HIGH DENSITY PPF SYSTEM APPLICATIONS:

- In printing **PPF HIGH** , firstly the colour is prepared in a separate container, then it is added to **PPF HIGH** in %30 (300 gr colour in 1 kg **PPF HIGH** ink) and it is printed.
- **PPF TRANSPARENT** can be used in %10-15, to get softer printing effect . Also , according to machine property(squeege and pressure system), it is advised to add **PPF THICKENER** powder in % 1-2 to thicken the ink to get the proper consistency.

2-) SILK SCREEN REQUIREMENTS IN PPF SYSTEM PRINTING :

- The choice of silk mesh number is up to user according to print ,since the working performance of **PPF SYSTEM** is the same as plastisol inks.
 - In high density prints with **PPF HIGH** ink;
For;
 - To ease the ink from the screen,
 - Smooth print on the fabric ,
 - Preventing notches and uneven edge lines,
 - Obtaining vertical and square prints ,
- It is recommended to use 32-S mesh number silk.



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B-)PRINTING APPLICATIONS :

1-) LIGHT BACKGROUND PRINTING:

The *PPF* colours can be directly printed , or according to the type of the fabric (e.g full lycra) *PPF TRANSPARENT* can be printed as a thin background. It is **NOT RECOMMENDED TO THIN THE INKS** to prevent pile formation after washing.

2-)DARK BACKGROUND PRINTING:

In dark fabric printing , *PPF WHITE* can directly be used as background, or according to the fabric type (e.g full lycra) *PPF TRANSPARENT* can be mixed in %15-20 to *PPF WHITE*. It is found that usage of *PPF WHITE* ink as background on dark fabric printing gives a softer touch to the print.

3-) DRYING OPERATIONS:

There are no limitations for drying during the printing. The printing should be dried at 160 °C for 2-3 minutes, to get high rubbing, light and washing fastness in the tests.

IMPORTANT NOTE:

It is important that no other printing should pass through the dryer conveyor while *PVC-PHTHLATE* free printing is in the dryer.

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