THERMO-PEEL

Series 1400

TRANSFER PLASTISOL INK

GENERAL DESCRIPTION:

Series 1400 Thermo-Peel plastisol, is formulated for the manufacture of hot-peel transfers. This series, especially in the Neon colors can be directly printed on suitable stock as well. Transfers can be made for use on dark garments using the standard colors, or the 1400-1300 puff opaque base under the Process colors.

STOCK:

Papers specifically designed for hot splitting give optimum results, but all types can be used successfully. Uncoated papers can be made to give the "total" transferability of the coated types, by utilizing our 1400-200 Transfer Clear Base as a first coat before all other colors are applied.

For direct prints, knit and woven T-shirts, sweatshirts, jerseys, fleece goods, and bandanna stock may all be used.

STENCILS:

All types of solvent resistant emulsions are suitable.

SCREEN MESH:

For Transfer Printing, 196T monofilament is used for the Clear Base, 110T to 196T for the standard colors. Process colors are printed using 305T monofilament mesh. Puff Clear base used for highlighting and opaque transfers are printed using 110T mesh, and 25T mesh used for Glitter effects.

TRANSFER PRINTING:

For best results, transfers should not be over cured at the partial curing stage, nor excessive heat used during transfer. The ink films should be 'set' at 200º F for most transfer papers, and the conditions of transfer at a temperature of 350º F, dwell time 10 seconds at 40 PSI.

The use of Pneumatic Transfer Machines are recommended for pressure adjustment where puff effects are utilized, or the use of a 'soft' transfer bed, using several layers of fabric.

It is essential to understand that transfers must be printed in reverse for both text and color effects. For example the 4-color transfer with puff highlights is made in the following print sequence:

1. Clear transfer coat directly on the paper stock
2. Process colors in reverse order - cyan, magenta, and then yellow.
3. Black for highlights, followed by puff opaque base.

WARNING: FOR INDUSTRIAL USE ONLY KEEP AWAY FROM CHILDREN

Triangle Ink Co., Inc. 53-57 Van Dyke Street, Wallington, New Jersey 07057- (201) 935-2777, (800) 524-1592 – FAX (201) 935-5961

Series 1400 cont'd

The production of Opaque Transfers can be effected by the addition of a puff base or white basecoat to a standard transfer, and if this is done using a coated transfer paper (either pre-coated or printed with the 1400-200 clear coat), the opacity will be further enhanced. The Standard and Pastel colors are all opaque colors, but even the transparent colors have been used successfully here, since the last coat on the transfer is used to provide the opacifier - in the case of the puff basecoats, the transfer actually lifts from the dark background. Where such a base coat is undesirable, the opaque colors will need to be printed with 110T mesh at the very least. Very heavy deposits using meshes as coarse as 33T, will give suede like finish when hot split on stock similar to 55# Soft Trans paper.

Please note the following hints for Hot-Split results: -

a. PEEL IMMEDIATELY upon lifting the platen of machine.
b. DO NOT DRAG transfer paper across garment, but pull in one direction in a fast, even motion.
c. DO NOT TOUCH or rub before removing transfer paper. This will cause cooling and can cause holes or blemishes in the transfer.
d. Hot Splitting evenly depends on the ink coating retaining heat while being pulled. Dwell time must be sufficient to allow time to peel the transfer, but platen pressure as well as dwell time should not be so excessive as to drive the ink too much into the fabric. Pressure should be sufficient only to ensure good contact for adhesion.
e. Where a coated paper or our Clear coat 1400-200 is used, this coating splits, allowing total transfer of subsequent colors. Image design with glitter effects, must allow the glitter coating to be printed directly on the clear coats or transparent colors (Process) only.

CURING:

These inks are designed for adequate cure during a transfer cycle of 350ºF to 375º F for to 7 to 10 seconds. When used as direct printing inks, 315º F TO 330º F depending on ink deposit, color and dryer efficiency.

WASH-UP:

Tri-sol 25 or equivalent (Mineral Spirits).

STORAGE:

Store at room temperature. Do not allow to be heated above 85º F.

COLOR AVAILABILITY:

This series is available in limited colors as indicated on the price chart. Special colors can be made to a 5-gallon minimum order. There are no extra charges incurred for this service.

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