MATSUI
INTERNATIONAL COMPANY, INC.

Techincal Data Sheet

Pro Series 350H

Matsui Pro Series 350H excels is premium hand feel, extreme washability, and excellent color vibrancy. Hybrid blend ink for spot color and some halftone work

Pro 350H UB Clear

High Stretch clear ink, designed to underbase. Provides fiber control, color stability, and improved hand feel

Pro 350H White

High Stretch White ink, print finish and hand feel improve when using low mesh and more layers. Designed to maintain sharp, crisp print edges

Pro 350H Base

High Stretch base ink for mixing colors. Contains semi-opaque compenents that provides smooth consistant color of underbases

Features

- *Hybrid Blend Waterbased Inks*
- *PVC and VOC Free*
- *Ready to Print - Fixer built in standard*
- *Ideal for all types of fabrics, use Matsui Kombat blocker to stop dye migration on problematic fabrics*
- *Superior wash and color fastness*
- *Designed for spot color printing*
- *Halftones possible, recommend adding Matsui 301 series for increased open time*

Application

- *Use thin-thread mesh for best coverage and maintain detail*
- *Wet on Wet Printing on spot color and halftones*
- *Maintain 120F to 130F pallet temperature*
- *Curetime 290F for 1:00, increased wash performance at 290F for 1:45*
- *Matsui Kombat blocker to stop dye migration on problematic fabrics*

Specifications

Fabrics:
Cotton, Polyester*, Spandex*, Lycra, Nylon**

Mesh:
Type: Thin Thread
Count: 122-160, 230***

Squeegee:
65 Shore, Sharp Edge
7-15 degree angle

Stencil:
Low Mesh: 2/2 round edge
High Mesh: 1/1 round edge
Offcontact: 5 mm

Flash:
Medium Heat
Medium Time

Cure:
260F for 1:45 (Confirm with Internal Testing)
290F for 1:00
290F for 1:45 (Improved Wash Fastness)

Heatpress:
Inline Heat Press: 200F 5 secs
Inline Iron: 200F slow movment
Do not need pre-flash

Pigment:
Up to 10% pigment load
20% pigment possible, use a clear coat to improve crocking

Additives:
3-5% Retarder MG
1-2% RV additive

Clean Up:
Water and Mild Detergent

* Matsui Kombat Blocker needed for Dye migration
** SWR Clear or Underbase SWR-CN required
***High mesh possible with adding 10% Mastui 301 series and 3% Retader MG