



PRODUCT DATA SHEET

STRETCH BASE

STR-100

Stretch Base

Product Overview:

STR-100 is a ready-to-use plastisol ink that is used to improve strength and elongation of standard plastisol inks (XOLB, LFP and WOW etc.). It can also be pigmented or used as a clear overprint.

Mixing:

Recommended mixing percentages are:

Colors: 70% Color – 30% STR 100

White: 55% White – 45% STR-100

A higher level of STR-100 is possible, but can create a loss of opacity in your colors and whites.

Printing:

Recommend 83-110 TPI (32-43 TPcm) for best results. Screens stretched to a minimum of 25 newtons are recommended. A thicker deposit is better. The thicker the deposit, the longer the print will last. In lab testing, we have found that a print-flash-print held up the longest in comparison tests.

Stencil:

Use any direct emulsion or capillary film.

Substrates:

STR-100 is designed for 100% cotton, cotton/poly blends and Lycra®. It has moderate bleed resistant qualities. STR-100 will decrease opacity of your standard inks.

Curing:

Recommended cure temperature is 340-360°F (171-182°C) for 60-90 seconds, depending on the curing unit and thickness of ink deposit. The ink film must be heated throughout to thoroughly cure. When thoroughly cured, the ink is 100% washable. Wash test the garment to verify your curing is adequate.

It is strongly recommended that the garment is not stretch tested until the garment has cooled and set for a full 24 hours. If the garment is stretched before cooling and setting, the ink is much more likely to crack and break.

Cleanup:

Use any of the commercially available products for the cleanup of plastisol inks.

Environmentally Friendly:

QCM Plastisol Ink contains no leaded pigments and, when properly disposed of, has no environmental impact. Use a screen wash for plastisols for cleanup. Scrape screens carefully and store ink for reuse. Minimize unusable scrap ink by segregating ink by color. QCM PPR-901 Black pigment can be used to convert old ink into black ink for waste elimination.