

# PACIFIC SPORTSWEAR INK CHEAT SHEET

## PLASTISOL INKS

PLASTISOL IS OUR STANDARD INK IN USE. IT IS A PLASTIC RESIN KNOWN FOR EASE OF PRINTING, BRIGHT COLORS AND SUPERIOR WASH-FASTNESS WHEN CURED PROPERLY. WE ARE ABLE TO MATCH ANY PMS COLOR WITH THE MIXING SOFTWARE. WHEN PRINTING ON COLORS (INCLUDING BLACK) A WHITE BASE IS REQUIRED. FOR PRINTING ON 100% POLYESTER OR POLY BLENDS A BASE OF DYNO GREY OR POLY WHITE IS REQUIRED TO PREVENT DYE MIGRATION OF THE FABRIC INTO THE INK FILM. OUR STANDARD PLASTISOL CONTAINS ORTHO-PHTHALATES SO THIS INK IS NOT FOR USE ON CHILDREN'S GARMENTS.

## NON-PHTHALATE (PHTHALATE COMPLIANT) INKS

THESE PLASTISOL INKS ARE SIMILAR TO STANDARD PLASTISOL INKS EXCEPT THEY ARE FORMULATED WITHOUT THE SIX BANNED PHTHALATES. THEY HAVE BEEN CERTIFIED BY NIKE, BUT CAN FAIL A PHTHALATE TEST DUE TO IMPROPER TESTING PROCEDURES, OR A FALSE POSITIVE RESULT BECAUSE OF THE PHTHALATES THAT ARE USED. OUR STOCK WHITE AND BLACK IS THIS TYPE OF INK. WE ARE ABLE TO MATCH ANY PMS COLOR WITH THE MIXING SOFTWARE

## NON-PHTHALATE-NON PVC (POLYVINYL CHLORIDE) INKS

THESE INKS (QUANTUM ONE) ARE AN ACRYLIC BASED INK SIMILAR TO PLASTISOLS IN THEIR EASE OF PRINTING AND COLORS. WE CAN MATCH ANY PMS COLOR WITH THE MIXING SOFTWARE. THEY CAN BE USED ON COTTON OR POLYESTERS. THIS IS THE INK WE USE FOR NINTENDO. THESE INKS HAVE PASSED THE TESTS FOR ALL PHTHALATES. THEY ARE UP TO DOUBLE THE COST OF STANDARD PLASTISOL AT THIS TIME

## WATER-BASED INKS

OUR WATER-BASED INKS ARE FOR USE ON WHITE OR LIGHT COLORED 100% COTTON GARMENTS ONLY. WE CAN MIX PMS COLORS WITH THE MIXING SOFTWARE, BUT DUE TO THE NATURE OF THE INK, IT IS DIFFICULT TO ACHIEVE CONSISTANT, ACCURATE MATCHES. THIS INK ACTUALLY DYES THE FABRIC (PLASTISOL SITS ON TOP OF THE FABRIC) SO THE COLOR CAN BE AFFECTED BY THE GARMENT, AND HAS A MATTE APPEARANCE, WITH A VERY SOFT HAND AFTER WASHING. THERE ARE NO PHTHALATES OR PVC IN THIS PRODUCT. THIS INK WILL DRY IN THE SCREEN AND IS NOT RECOMMENDED FOR HIGH DETAIL IMAGES

## DISCHARGE INKS

THIS IS A WATER-BASED INK WITH AN ADDITIVE THAT REMOVES THE DYE FROM THE SHIRT, LEAVING IT EITHER A NATURAL COLOR, OR WHEN PIGMENTED, A SIMULATION OF A PMS COLOR. THIS INK IS FOR USE ON 100% COTTON COLORED GARMENTS WHEN A VERY SOFT HAND IS DESIRED. FOR A GOOD DISCHARGE TO HAPPEN THE INK MUST PENETRATE INTO THE GARMENT, REQUIRING A LOW MESH COUNT AND INCREASED SQUEEGEE PRESSURE. THEREFORE, HIGH DETAIL WITH BRIGHT COLORS IS DIFFICULT TO ACHIEVE. WHEN USED AS A BASE, PLASTISOL INK CAN BE PRINTED ON TOP RESULTING IN A SOFTER HAND. IT ALSO IS EFFECTIVE FOR PRINTING OVER POCKETS AND SEAMS BECAUSE THE EXCESS INK EVAPORATES INSTEAD OF BUILDING UP LIKE A PLASTISOL WOULD. DISCHARGE INK HAS A 2 HOUR SHELF LIFE ONCE MIXED. SOME GARMENTS CAN NOT BE DISCHARGED DUE TO THE DYES USED IN THEIR MANUFACTURING.

## SPECIALTY INKS

WE HAVE MANY SPECIALTY INKS AVAILABLE, SUCH AS METALLICS, GLOW IN THE DARK, PUFF, HIGH DENSITY, CRYSTALLINA AND SHIMMER. SOME OF THESE INKS CAN BE MIXED TO PMS COLORS, AND SOME ARE CURRENTLY AVAILBLE AS PHTHALATE COMPLIANT, NONE AT THIS TIME ARE NON PVC. THESE INKS USUALLY REQUIRE SPECIAL SCREENS OR ART TO GET THE DESIRED EFFECT