



PCPRO® - PIGMENT CONCENTRATES

Excalibur Pigment Concentrates are a set of 26 highly concentrated pigments used to tint or add color to Excalibur bases. Bases include 504 Transparent Base, 505 Process Base, 550 Opaque Base, 551 Opaque Mixing Base, 700 Metallic Base, 820 Puff Base, 825 Foam Base, 835 High Density Base, 838 High Density Clear Base, SB Suede Base, 1550 SportPRO® Base, PerformancePRO® 1004 and 1050 Base. Mesh size will be determined after pigment concentrates are mixed into the appropriate Excalibur base and after consideration of artwork and desired end result of decoration. Excalibur Pigment Concentrates will not cure by themselves. Do not print without adding to the appropriate base in the amounts specified in the ColorPro software.

Software--ColorPro Software contains formulas to mix all standard Excalibur colors, all Pantone® C Colors and any custom colour that may be needed. The software can be downloaded from www.lancergroup.com

Mixing--Do not overload bases with pigments. Excalibur pigments are highly concentrated. Recommended pigment loads in the appropriate Excalibur base is 15% and at no time should ever exceed 20% by weight. Over-pigmentation of base could result in crocking or curing problems. Color accuracy should be evaluated by printing through same mesh size on like substrate after complete curing. Crock testing should be done no sooner than 72 hours after curing.

COLOURS

Yellow PY (PCYPY), Yellow HR (PCYHR), Red X (PCRX), Red YS (PCRY), Red BBC (PCRBBC), Red 481 (PCR481), Red 254 (PCR254), Magenta (PCMA), Lithol Rubine (PCLRU), Green YS (PCGYS), Green BS (PCGBS), Black (PCBK), Orange (PCOR), Violet (PCVI), Ultra Marine Blue (PCUMB), Blue GS (PCBGS), White Super Strength (PCWSS), White Regular Strength (PCWRS), Fluorescent Blue (PCFBL), Fluorescent Green (PCFGR), Fluorescent Magenta (PCFMA), Fluorescent Orange (PCFOR), Fluorescent Pink (PCFPI), Fluorescent Red (PCFLR), Fluorescent Violet (PCFVI), Fluorescent Yellow (PCFYE).

CAUTION

Always test finished prints for curing, adhesion and desired look prior to beginning full production runs. Lancer Group International cannot guarantee the results or back claims that this mixed ink will test phthalate-free if any additive other than an additive manufactured by Lancer Group International is used to modify this ink. Test results by a third-party laboratory verifying all components used to produce this ink are phthalate-free and lead-free are available upon request.

TECHNICAL DATA



IDEAL FABRIC

100% Cotton
Other fabrics with appropriate Underbase White



MESH

110-305/inch (43T-122Tcm) depending upon base used and specific application.



SQUEEGEE

70/90/70 Triple Durometer
70 Single Durometer



STENCIL

Any emulsion compatible with plastisol inks.



CURING

Pigments do not cure alone. Consult TDS of base in which they are mixed for cure and gel temperatures.



PIGMENT LOADING

5%-20%
Consult mixing in main body of this document.



ADDITIVES

Check specific TDS for the base used to produce colour in order to use the proper reducer in that ink.



STORAGE

60°-90° F (15°-32° C) with lids closed tightly.



CLEANING

Enviro Series 2000 Green or Enviro Series TR Blend.



LANCER GROUP INTERNATIONAL

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Visit our website at www.lancergroup.com