

TAL 4000 System

PRODUCT INFORMATION

System 4000 is a series of formulas using Mix and Match Color Concentrates that, in combination with the appropriate base, allow the printer to produce press ready color. These formulas, when followed carefully, give the printer quality finished inks at reduced freight, inventory and storage costs.

BASES

System 2001 Base – when producing colors for use on natural fiber goods and some blends. Available as a finished product but can also be made from BCT Concentrate (See formula – high shear mixer required).

COLOR CONCENTRATES

System 4000 Color Concentrates – These highly concentrated pigment concentrates have been chosen in a color range that gives the colorist the ability to match an almost endless range of colors. This includes those specified in most color matching systems currently used by our industry.

USING FORMULAS

Formulas are provided in 100 lb. quantities along with the theoretical yield and weight per gallon. For lesser or greater amounts calculate the weight of the number of gallons needed and multiply that weight by the percentage shown for each component of the 100 lb. formula.

For example:

To make 5 gallons of 2001 Clear Base

Step 1 multiple the weight by 5
 $8.381 \times 5 = 41.905$

Step 2 multiply the total weight needed by the percentage shown of each ingredient in the formula

BCC-1100 Concetrate	13%	x 41.905 =	5.448
CON 28 Thickener	4%	x 41.905 =	1.676
WATER	83%	x 41.905 =	34.781
	100%		41.905
YELD	11.932 GAL.	WT/GAL =	8.382

SYSTEM 2000 – MIX AND MATCH COLOR FORMULAS**2004 MIXING BLACK**

2001 CLEAR BASE	98.50#
4004 MIXING BLACK CONC.	1.50#
	100.00#

YIELD 11.903 GAL. WT./GAL = 8.401#

2005 TRANSPARENT WHITE

2001 CLEAR BASE	92.00#
4005 WHITE CONC.	8.00#
	100.00#

YIELD 11.644 GAL. WT./GAL = 8.588#

2012 YELLOW

2001 CLEAR BASE	95.50#
4012 YELLOW CONC.	4.50#
	100.00#

YIELD 11.845 GAL. WT./GAL = 8.442#

2014 ORANGE

2001 CLEAR BASE	95.50#
4014 ORANGE CONC.	4.50#
	100.00#

YIELD 11.895 GAL. WT./GAL = 8.407#

2022 PURPLE

2001 CLEAR BASE	96.50#
4022 PURPLE CONC.	3.50#
	100.00#

YIELD 11.863 GAL. WT./GAL = 8.430

2023 VIOLET

2001 CLEAR BASE	98.00#
4024 VIOLET CONC.	2.00#
	100.00#

YIELD 11.893 GAL. WT./GAL = 8.408#

2026 BLUE

2001 CLEAR BASE	96.50#
4026 BLUE CONC.	3.50#
	100.00#

YIELD 11.862 GAL. WT./GAL = 8.430#

2028 REFLEX BLUE

2001 CLEAR BASE	96.50#
4028 REFLEX BLUE CONC.	3.50#
	100.00#

YIELD 11.862 GAL. WT./GAL = 8.430#

2016 WARM RED

2001 CLEAR BASE	97.00#
4016 WARM RED CONC.	3.00#
	100.00#

YIELD 11.926 GAL. WT./GAL = 8.385#

2017 RED

2001 CLEAR BASE	96.00#
4017 RED CONC.	4.00#
	100.00#

YIELD 11.898 GAL. WT./GAL = 8.405#

2018 RUBINE RED

2001 CLEAR BASE	97.00#
4018 RUBINE RED CONC.	3.50#
	100.00#

YIELD 11.907 GAL. WT./GAL = 8.398#

2019 RHODAMINE RED

2001 CLEAR BASE	97.75#
4019 RHODAMINE CONC.	2.25#
	100.00#

YIELD 11.913 GAL. WT./GAL = 8.394#

2030 PROCESS BLUE

2001 CLEAR BASE	97.75#
4030 PROCESS BLUE CONC.	2.25#
	100.00#

YIELD 11.888 GAL. WT./GAL = 8.412#

2032 GREEN

2001 CLEAR BASE	97.00#
4032 GREEN CONC.	3.00#
	100.00#

YIELD 11.874 GAL. WT./GAL = 8.422#

2034 PRINT BLACK

2001 CLEAR BASE	95.00#
4034 BLACK CONC.	5.00#
	100.00#

YIELD 11.835 GAL. WT./GAL = 8.450#

SYSTEM 2000 – MIX AND MATCH PROCESS COLORS

2041 PROCESS YELLOW

2001 CLEAR BASE 95.50#
 4041 PROCESS YELLOW CONC. 4.50#
 100.00#
 YIELD 11.845 GAL. WT./GAL = 8.442#

2043 PROCESS CYAN BLUE

2001 CLEAR BASE 97.75#
 4043 PROCESS CYAN CONC. 2.25#
 100.00#
 YIELD 11.888 GAL. WT./GAL = 8.412#

2042 PROCESS MAGENTA

2001 CLEAR BASE 97.60#
 4042 PROCESS MAGENTA CONC. 2.40#
 100.00#
 YIELD 11.912 GAL. WT./GAL = 8.412#

2044 PROCESS BLACK

2001 CLEAR BASE 98.50#
 4044 PROCESS BLACK CONC. 1.50#
 100.00#
 YIELD 11.903 GAL. WT./GAL = 8.401#

SYSTEM 2000 – MIX AND MATCH FLUORESCENT COLORS

2051 FLUORESCENT YELLOW

2001 CLEAR BASE 78.40#
 BCT-1100 BINDER 5.00#
 4051 FLUORESCENT YELLOW CONC. 16.60#
 100.00#
 YIELD 11.811 GAL. WT./GAL = 8.467#

2055 FLUORESCENT RED

2001 CLEAR BASE 75.00#
 BCT-1100 BINDER 5.00#
 FLUORESCENT RED CONC. 20.00#
 100.00#
 YIELD 11.823 GAL. WT./GAL = 8.480#

2052 FLUORESCENT ORANGE

2001 CLEAR BASE 75.00#
 BCT-1100 BINDER 5.00#
 4052 FLUORESCENT ORANGE CONC. 20.00#
 100.00#
 YIELD 11.773 GAL. WT./GAL = 8.480#

2057 FLUORESCENT BLUE

2001 CLEAR BASE 98.50#
 4057 FLUORESCENT BLUE CONC. 1.50#
 100.00#
 YIELD 11.923 GAL. WT./GAL = 8.387#

2053 FLUORESCENT PINK

2001 CLEAR BASE 75.00#
 BCT-1100 BINDER 5.00#
 4053 FLUORESCENT PINK CONC. 20.00#
 100.00#
 YIELD 11.793 GAL. WT./GAL = 8.480#

2059 FLUORESCENT PURPLE

2001 CLEAR BASE 74.00#
 BCT-1100 BINDER 5.00#
 4059 FLUORESCENT PURPLE CONC. 21.00#
 100.00#
 YIELD 11.786 GAL. WT./GAL = 8.485#

2054 FLUORESCENT GREEN

2001 CLEAR BASE 75.00#
 BCT-1100 BINDER 5.00#
 4054 FLUORESCENT GREEN CONC. 20.00#
 100.00#
 YIELD 11.823 GAL. WT./GAL = 8.458#