

Brilliant Ink Base Extra Strength

BIB2 SERIES

A tinctorially strong fluorescent ink base for use in sheetfed, heatset and UV ink systems that prints in one pass at equivalent strength of a typical fluorescent ink base in two passes. BIB2 contains no traditional ink oils, which can attack rollers on UV presses.

Principal Applications

Sheetfed

Heatset

UV Litho

conventional and UV systems

Product Features and Benefits

increased value in use

A complete palette of Provides a wide range of color options fluorescent colors

• Broad compatibility Formulations can be prepared in conventional

and UV letdowns

• One shelf-stable base for both Simplifies purchasing and inventory management

Pigment Specifications

Particle size 0.1-0.5 microns

Particle Shape Spherical

Viscosity, undiluted 25 - 30 seconds (Laray viscometer, 800 gram

weight, 90°F,)

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Color Guide

<u>SHADE</u>	<u>CODE</u>
Invisible Blue	BIB2-CL201
Green	BIB2-GR202
Yellow	BIB2-YE203R
Orange	BIB2-OG204
Red	BIB2-RD205
Pink	BIB2-PK206
Magenta	BIB2-MG207
Chartreuse	BIB2-CH227

Suggested Starting Formula*	Sheetfed
BIB2 Base Sheetfed Gel Varnish Magiesol 52 12% Manganese Drier 18% Zirconium Drier PE Wax Powder Total	70.0 22.0 4.0 1.0 1.0 2.0
Tack, 1200 rpm at 90°F Viscosity,Laray,200 grams, 90°F	14 - 15 20 - 30
Suggested Starting Formula*	Heatset
Suggested Starting Formula* BIB2 Base Heatset Gel Varnish Magiesol 47 18% Zirconium Drier Micronized PTFE Total	70.0 23.0 5.0 1.0 1.0

Suggested Starting Formu	la*	UV Flexo
BIB2 Base		30
Sartomer CN293		25
Sartomer SR306F (TPGDA)	38
TPOL (photoinitiator)	_	7
	Total	100.0



Suggested Starting Formula*	UV offset
BIB2 Base	50
Sartomer CN294E	34
Sartomer SR306F (TPGDA)	11
TPOL (photoinitiator)	5
Total	100.0

^{*}Note: Tack and viscosity can be altered by adjusting the proportions of the base, varnish and solvent. Drying speed for sheetfed and heatset inks will be affected by temperature, humidity, substrate and absorption.

The above formulations are offered as suggestions only. The user should be guided by his own tests as to the suitability of the formulas for specific applications.

Storage: When stored in a cool, dry environment, and containers are kept tightly closed, BIB2 bases are stable in can for many years. Ink base containers should be kept closed to minimize contamination.

Important

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^{**}Polyester acrylates typically result in considerably more shelf stable finished UV inks than epoxy acrylates. Brilliant can provide a guide to suggested oligomers found to produce shelf-stable inks.