



Brilliant Ink Base Extra Strength

UVB SERIES

High strength fluorescent ink base that has been specifically formulated for use in 100% reactive UV curable lithographic and flexographic ink systems.

Product Features and Benefits

- High color strength Extra strength ink base offers formula flexibility and increased value in use
- Able to achieve a wide pallet Four available shades. Others achievable by blending of fluorescent colors

Typical Physical Properties

Color Guide

Physical state	Heavy paste	<u>AVAILABLE SHADES</u>	<u>PRODUCT CODE</u>
Grind	0 NPIRI	Chartreuse	UVB-CH1027
Laray Viscosity seconds,	Approx. 15	Pink	UVB-PK1006
	90°F, 200-gram weight	Magenta	UVB-MG1007
Polymer type	Thermoplastic at 40% concentration	Invisible Blue	UVB-CL1000

Suggested Blend Color Guide

Blue	70%	UVB-CL1000
	23%	Phthalocyanine Blue 15:3 UV Flush ¹
	7%	Phthalocyanine Green 7 UV Flush ²
Green	90%	UVB-CH1027
	10%	Phthalocyanine Green 7 UV Flush ²
Yellow	96%	UVB-CH1027

	4%	UVB-PK1006
Orange	75%	UVB-CH1027
	25%	UVB-PK1006
	70%	UVB-PK1006
Pink	95%	UVB-PK1006
	5%	UVB-MG1007
Magenta	70%	UVB-MG1007
	30%	UVB-PK1006

¹ BU500 Phthalocyanine Blue 15:3 UV Flush from Aarbor Colorants Corp.

² GU500 Phthalocyanine Green 7 UV Flush from Aarbor Colorants Corp.

Given its high color strength, pigmented UVB ink bases may be diluted (with UVB-CL1000) to achieve desired clarity and brightness.

Suggested Starting Formula

Lithographic Ink		Flexographic Ink	
UVB Ink Base	70.00	UVB Ink Base	60.00
Photomer 6710 ¹	20.00	Photomer 6710 ¹	10.00
Photoinitiator	10.00	Photomer 4061 ¹	20.00
Laray Viscosity at 77°F, 100-gram weight = 7-8 seconds		Photoinitiator	10.00
¹ IGM Resins		Laray Viscosity at 77°F, 100-gram weight = 1-2 seconds	
		¹ IGM Resins	

Note: Viscosity and tack can be altered by adjusting amount of oligomer or monomer.

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.

Due to the combination of UVB's high color strength and high loading in the finished ink formula, it is possible that staining of the blanket roller may occur. Precautionary measures should be taken in order to avoid permanent staining of the blanket such as immediate clean-up post production using the appropriate cleaning solvent.

Storage

Maximum shelf life can be achieved when stored in a cool and dry environment. Container should be kept tightly closed when not in use.

Important

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