



# Spectra Systems

C O R P O R A T I O N

## SpectraFluor UV Fluorescent Pigments

Fluorescent Color	Catalog #	Excitation Range	Peak Emission Wavelength (nm)	Chemistry	Lightfastness (Euro Blue Wool)	Chem Resistance (solv: bleach: caus)
Red	<b>SFP-0008</b>	Short UV		Hybrid		good : poor : good
White	<b>SFP-0010</b>	Short UV		Inorganic		good : good : fair
Green	<b>SFP-0013</b>	Short UV		Inorganic		good : good : fair
Red	<b>SFP-0018</b>	Short UV		Inorganic		good : good : fair
Blue	<b>SFP-1100</b>	Long UV	486	Organic	>L3	good : good : good
BlueGreen	<b>SFP-1200</b>	Long UV	490	Organic	<L2	poor : fair : fair
Green	<b>SFP-1300</b>	Long UV	510	Organic	L5	good : good : good
YellowGreen	<b>SFP-1400</b>	Long UV	530	Organic	L5	good : good : good
Yellow	<b>SFP-1600</b>	Long UV	550	Organic	L5	good : good : good
Orange	<b>SFP-1700</b>	Long UV	550 / 615	Organic / Hybrid	>L3	good : poor : good
Red	<b>SFP-1800</b>	Long UV	615	Hybrid	<L2	good : poor : good
BlueViolet	<b>SFP-1900</b>	Long UV	415	Organic	>L3	fair : good : fair
Green	<b>SFP-2300</b>	Long UV	500	Organic	>L4	good : good : good
Blue	<b>SFP-2100</b>	Long UV	475	Organic	>L4	good : good : good
Red	<b>SFP-2800</b>	Long UV	613	Inorganic	>L3	good : good : fair
Blue	<b>SFP-3100</b>	Long UV	480	Organic	L5	good : good : good

## SpectraFluor Longwave UV Fluorescent Coatings

Fluorescent Color	Catalog #	Add Style # for Coating Matrix:			Application Process
		Aq Varnish	Lacquer	Adhesive	
Blue	<b>SFC-1100-</b>	<b>01</b>	<b>02</b>	<b>03</b>	Spray or Roll on
BlueGreen	<b>SFC-1200-</b>	<b>01</b>	<b>02</b>	<b>03</b>	Spray or Roll on
Green	<b>SFC-1300-</b>	<b>01</b>	<b>02</b>	<b>03</b>	Spray or Roll on
YellowGreen	<b>SFC-1400-</b>	<b>01</b>	<b>02</b>	<b>03</b>	Spray or Roll on
Yellow	<b>SFC-1600-</b>	<b>01</b>	<b>02</b>	<b>03</b>	Spray or Roll on
Orange	<b>SFC-1700-</b>	<b>01</b>	<b>02</b>	<b>03</b>	Spray or Roll on
Red	<b>SFC-1800-</b>	<b>01</b>	<b>02</b>	<b>03</b>	Spray or Roll on
BlueViolet	<b>SFC-1900-</b>	<b>01</b>	<b>02</b>	<b>03</b>	Spray or Roll on
	Thinner:	Water	Ethyl Acetate	Ethyl Acetate	



# Spectra Systems

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C O R P O R A T I O N

## ***SpectraFluor Longwave UV Fluorescent Printers' Inks***

Add Style # for Ink Formulation:

Fluorescent Color	Catalog #	UV Flexo	Aqueous Flexo	UV Offset	Oilbase Offset	Gravure
Blue	<b>SFI-1100-</b>	<b>01</b>	<b>02</b>	na	<b>04</b>	<b>05</b>
BlueGreen	<b>SFI-1200-</b>	<b>01</b>	<b>02</b>	na	<b>04</b>	<b>05</b>
Green	<b>SFI-1300-</b>	<b>01</b>	<b>02</b>	na	<b>04</b>	<b>05</b>
YellowGreen	<b>SFI-1400-</b>	<b>01</b>	<b>02</b>	na	<b>04</b>	<b>05</b>
Yellow	<b>SFI-1600-</b>	<b>01</b>	<b>02</b>	<b>03</b>	<b>04</b>	<b>05</b>
Orange	<b>SFI-1700-</b>	<b>01</b>	<b>02</b>	na	<b>04</b>	<b>05</b>
Red	<b>SFI-1800-</b>	<b>01</b>	<b>02</b>	na	<b>04</b>	<b>05</b>
BlueViolet	<b>SFI-1900-</b>	<b>01</b>	<b>02</b>	na	<b>04</b>	<b>05</b>
	Cleanup:	Ethyl Acetate	Water	Ethyl Acetate	Ethyl Acetate	Ethyl Acetate

## ***SpectraFluor InfraRed Fluorescent Printers' Inks***

Fluorescent Color	Catalog #	Add Style # for Ink Formulation:		Excitation (nm)	Emission (nm)
		Aq Flexo	Aq Offset		
Red	<b>IRI-1800-</b>	<b>02</b>	<b>06</b>	Near IR	650
	Cleanup:	Water	Water		



# Spectra Systems

C O R P O R A T I O N

## **SpectraShift LS Fluorescent ColorShifting Coatings**

Emission Colors (Long UV / Short UV)	Catalog #	Add Style # for Coating Matrix:			Application Process
		Aq Varnish	Lacquer	Adhesive	
Broadrange Green	<b>CSC-1303-</b>	<b>01</b>	<b>02</b>	<b>03</b>	Spray or Roll on
Green / Orange	<b>CSC-1307-</b>	<b>01</b>	<b>02</b>	<b>03</b>	Spray or Roll on
Yellow / Green	<b>CSC-1603-</b>	<b>01</b>	<b>02</b>	<b>03</b>	Spray or Roll on
Yellow / Orange	<b>CSC-1607-</b>	<b>01</b>	<b>02</b>	<b>03</b>	Spray or Roll on
Orange / Green	<b>CSC-1704-</b>	<b>01</b>	<b>02</b>	<b>03</b>	Spray or Roll on
Broadrange Red	<b>CSC-1808-</b>	<b>01</b>	<b>02</b>	<b>03</b>	Spray or Roll on
Blue / Teal	<b>CSC-2102-</b>	<b>01</b>	<b>02</b>	<b>03</b>	Spray or Roll on
Blue / Rose	<b>CSC-2108-</b>	<b>01</b>	<b>02</b>	<b>03</b>	Spray or Roll on
	Thinner:	Water	Ethyl Acetate	Ethyl Acetate	

## **SpectraShift LS Fluorescent ColorShifting Printers' Inks**

Emission Colors (Long UV / Short UV)	Catalog #	Add Style # for Ink Formulation:			
		UV Flexo	Aqueous Flexo	Oilbase Offset	Gravure
Broadrange Green	<b>CSI-1303-</b>	<b>01</b>	<b>02</b>	<b>04</b>	<b>05</b>
Green / Orange	<b>CSI-1307-</b>	<b>01</b>	<b>02</b>	<b>04</b>	<b>05</b>
Yellow / Green	<b>CSI-1603-</b>	<b>01</b>	<b>02</b>	<b>04</b>	<b>05</b>
Yellow / Orange	<b>CSI-1607-</b>	<b>01</b>	<b>02</b>	<b>04</b>	<b>05</b>
Orange / Green	<b>CSI-1704-</b>	<b>01</b>	<b>02</b>	<b>04</b>	<b>05</b>
Broadrange Red	<b>CSI-1808-</b>	<b>01</b>	<b>02</b>	<b>04</b>	<b>05</b>
Blue / Teal	<b>CSI-2102-</b>	<b>01</b>	<b>02</b>	<b>04</b>	<b>05</b>
Blue / Rose	<b>CSI-2108-</b>	<b>01</b>	<b>02</b>	<b>04</b>	<b>05</b>
	Cleanup:	Ethyl Acetate	Water	Ethyl Acetate	Ethyl Acetate



# Spectra Systems

C O R P O R A T I O N

## MicroDiscrete Longwave UV Fluorescent Pigments

Emission Color	Catalog #	Add Size Code		Chemical Resistance (solv : bleach : caus)
Blue	<b>MDP-1100-</b>	<b>##</b>	(## =) Available Size Ranges <b>01</b> 5 - 20 um <b>02</b> 5 - 50 um <b>03</b> Custom	good : good : good
BlueGreen	<b>MDP-1200-</b>	<b>##</b>		good : good : good
Green	<b>MDP-1300-</b>	<b>##</b>		good : good : good
YellowGreen	<b>MDP-1400-</b>	<b>##</b>		good : good : good
Yellow	<b>MDP-1600-</b>	<b>##</b>		
Orange	<b>MDP-1700-</b>	<b>##</b>		
Red	<b>MDP-1800-</b>	<b>##</b>		
BlueViolet	<b>MDP-1900-</b>	<b>##</b>		

## MicroDiscrete Longwave UV Transparent Fluorescent Coatings

Fluorescent Color	Catalog #	Add Style # for Matrix:			and Add Size Code	Application Process
		Aq Varnish	Lacquer	Adhesive		
Transparent Blue	<b>MTC-1100-</b>	<b>01-</b>	<b>02-</b>	<b>03-</b>	<b>##</b> (## =)	Spray or Roll on
Transparent BlueGreen	<b>MTC-1200-</b>	<b>01-</b>	<b>02-</b>	<b>03-</b>	<b>##</b> Available	Spray or Roll on
Transparent Green	<b>MTC-1300-</b>	<b>01-</b>	<b>02-</b>	<b>03-</b>	<b>##</b> Size Ranges	Spray or Roll on
Transparent YellowGreen	<b>MTC-1400-</b>	<b>01-</b>	<b>02-</b>	<b>03-</b>	<b>##</b> <b>01</b> 5 - 20 um	Spray or Roll on
Transparent Yellow	<b>MTC-1600-</b>	<b>01-</b>	<b>02-</b>	<b>03-</b>	<b>##</b> <b>02</b> 5 - 50 um	Spray or Roll on
Transparent Orange	<b>MTC-1700-</b>	<b>01-</b>	<b>02-</b>	<b>03-</b>	<b>##</b> <b>03</b> Custom	Spray or Roll on
Transparent Red	<b>MTC-1800-</b>	<b>01-</b>	<b>02-</b>	<b>03-</b>	<b>##</b>	Spray or Roll on
Transparent BlueViolet	<b>MTC-1900-</b>	<b>01-</b>	<b>02-</b>	<b>03-</b>	<b>##</b>	Spray or Roll on
	Thinner:	Water	Ethyl Acetate	Ethyl Acetate		

## MicroDiscrete Longwave UV Binary Fluorescent Coatings

Fluorescent Colors (Particle / Field)	Catalog #	Add Style # for Matrix:			and Add Size Code	Application Process
		Aq Varnish	Lacquer	Adhesive		
μDiscrete Blue / Yellow	<b>MBC-1106-</b>	<b>01-</b>	<b>02-</b>	<b>03-</b>	<b>##</b> (## =)	Spray or Roll on
μDiscrete Blue / Red	<b>MBC-1108-</b>	<b>01-</b>	<b>02-</b>	<b>03-</b>	<b>##</b> Available	Spray or Roll on
μDiscrete Green / Yellow	<b>MBC-1306-</b>	<b>01-</b>	<b>02-</b>	<b>03-</b>	<b>##</b> Size Ranges	Spray or Roll on
μDiscrete Yellow / Blue	<b>MBC-1601-</b>	<b>01-</b>	<b>02-</b>	<b>03-</b>	<b>##</b> <b>01</b> 5 - 20 um	Spray or Roll on
μDiscrete Yellow / Red	<b>MBC-1608-</b>	<b>01-</b>	<b>02-</b>	<b>03-</b>	<b>##</b> <b>02</b> 5 - 50 um	Spray or Roll on
μDiscrete Red / Blue	<b>MBC-1801-</b>	<b>01-</b>	<b>02-</b>	<b>03-</b>	<b>##</b> <b>03</b> Custom	Spray or Roll on
μDiscrete Red / Yellow	<b>MBC-1806-</b>	<b>01-</b>	<b>02-</b>	<b>03-</b>	<b>##</b>	Spray or Roll on
	Thinner:	Water	Ethyl Acetate	Ethyl Acetate		



# Spectra Systems

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C O R P O R A T I O N

## ***Spectra PolyStar Long UV Fluorescent Security Particles***

Fluorescent Color	Catalog #	Add Size Code		Chemical Resistance (solv : bleach : caus)
Blue	<b>PSP-1100-</b>	<b>##</b>	(## = Size Range)	good : good : good
BlueGreen	<b>PSP-1200-</b>	<b>##</b>	<b>01</b> 53 - 75 um	good : good : good
Green	<b>PSP-1300-</b>	<b>##</b>	<b>02</b> 53 - 125 um	good : good : good
YellowGreen	<b>PSP-1400-</b>	<b>##</b>	<b>03</b> 75 - 150 um	good : good : good
Yellow	<b>PSP-1600-</b>	<b>##</b>	<b>04</b> 105 - 150 um	good : good : good
Orange	<b>PSP-1700-</b>	<b>##</b>	<b>05</b> 150 - 212 um	good : good : good
Red	<b>PSP-1800-</b>	<b>##</b>	<b>06</b> 150 - 250 um	good : good : good
BlueViolet	<b>PSP-1900-</b>	<b>##</b>	<b>07</b> Custom	good : good : good