



RENEGADE (REG) UV GLOSS SCREEN PRINTING

INK Renegade (REG) series is a high performance, fast curing Ultra Violet screen printing ink specifically formulated for point of purchase printing where a wide variety of substrates are used. The unique versatility of REG series ink provides printers with a single ink system for multiple uses. REG offers superior opacity and high gloss while maintaining rapid cure rates. REG provides a durable, non – blocking surface and demonstrates excellent outdoor durability.

FULL TECHNICAL SHEET AVAILABLE FOLLOWS BELOW

CAUTION It is the Printer's Responsibility to Test Ink Before Printing	1. Allow 24-96 hours after test printing to evaluate ink for intended application.
	2. If product requires overlapping coats (i.e. multi-colours) test ink on substrate with overlapping coats.
	3. Refer to M.S.D.S. for heavy metal content.

RENEGADE PRICE LIST		
CODE NO.	DESCRIPTION	3.78L
REG - 0064	CMS YELLOW GS	314.20
REG - 0066	CMS YELLOW RS	322.90
REG - 0101	PRIMROSE YELLOW	288.00
REG - 0110	SHADING BLACK	218.60
REG - 0111	LEMON YELLOW	256.85
REG - 0112	TINTING WHITE	263.55
REG - 0114	CMS ORANGE	331.65
REG - 0121	CMS RED YS	305.45
REG - 0123	MEDIUM YELLOW	265.30
REG - 0127	CMS VIOLET	326.40
REG - 0131	BRILLIANT ORANGE	284.00
REG - 0135	VIVID ORANGE	305.45
REG - 0141	FIRE RED	300.65
REG - 0151	SCARLET RED	340.35
REG - 0155	RUBINE RED	312.45
REG - 0160	RHODAMINE RED	325.55
REG - 0164	CMS RED BS	310.70
REG - 0165	CMS MAGENTA	314.20
REG - 0180	WARM RED	332.50
REG - 0190	PROCESS BLUE	263.55
REG - 0200	PEACOCK BLUE	235.20
REG - 0205	REFLEX BLUE	307.65
REG - 0210	ULTRA BLUE	296.75
REG - 0220	EMERALD GREEN	296.75
REG - 0225	FOREST GREEN	305.45
REG - 0226	LIME GREEN	308.95
REG - 0230	CMS BLUE	253.10
REG - 0235	TEAL	300.20
REG - 0240	PURPLE	340.35
REG - 0250	TRANS. MEDIUM YELLOW	340.35
REG - 0255	TRANS. PRIMROSE YELLOW	322.90
REG - 0260	BROWN	288.00
REG - 0301	OPAQUE BLACK	223.40
REG - 0311	OPAQUE WHITE	225.15
REG - 0325	CMS GREEN	256.60
REG - 1130	HT BLACK	204.20
REG - 1330	HT YELLOW	279.30
REG - 1350	OVERPRINT CLEAR	205.95
REG - 1530	HT CYAN	208.60
REG - 1630	HT MAGENTA	274.90
REG - 1700	MIXING CLEAR	189.40
REG - 1710	METALLIC MIXING CLEAR	188.95
REG - 1730	HT BASE	201.60
UV - 1800	THINNER	147.00

RENEGADE (REG) PRODUCT DATA SHEET

Renegade (REG) series is a high performance, fast curing Ultra Violet screen printing ink specifically formulated for point of purchase printing where a wide variety of substrates are used. The unique versatility of REG series ink provides printers with a single ink system for multiple uses. REG offers superior opacity and high gloss while maintaining rapid cure rates. REG provides a durable, non – blocking surface and demonstrates excellent outdoor durability.

PERFORMANCE PROPERTIES

- ➔ 100% compatible with UVG series
- ➔ Excellent adhesion to a wide variety of substrates
- ➔ Superb water and abrasion resistance
- ➔ N-VP and heavy-metal free
- ➔ Superior opacity provides better color trapping
- ➔ Non-blocking, high slip-finish for easy handling
- ➔ Flexible for multi-layer applications and die-cutting
- ➔ Suitable for exterior exposure up to 3 years on premium vinyl

RECOMMENDED SUBSTRATES

- ➔ Pressure Sensitive Vinyls
- ➔ Polystyrene
- ➔ PETG
- ➔ Expanded Foam PVC
- ➔ * High density and fluted polyethylene with use of 3-5% 1534 Adhesion Promoter.
- ➔ Rigid Vinyl
- ➔ ABS
- ➔ Foam Board
- ➔ Acrylic
- ➔ Coated and Uncoated Paper
- ➔ Polycarbonate (not for use with adhesives)
- ➔ Polyethylene Coated Card Stock
- ➔ Top-Coated and Print-Treated Polyesters

* A minimum of 40 Dynes of surface energy is recommended for all Polyethylene and Polyolefin stocks.

CURING SPECIFICATIONS

RENEGADE REG will cure well when printed through a 355 plain weave polyester mesh or finer. REG's optimal cure window of 125 – 150 mJ / 550 – 650 mW is generally achieved with one 200 watt per inch mercury vapor lamp at belt speeds between 70 - 90 feet per minute. Cure speeds may vary as thicker material and dark surface colors require more energy. Adhesion should be a minimum of 95% from curing unit with final adhesion developing within six hours of initial polymerization. Coarser fabrics can be utilized; however, curing parameters may need to be adjusted for the increased ink film. If a loss of gloss or adhesion due to insufficient cure is noticed, the use of REG Mixing Clear will increase light penetration and improve cure. Intensity of cure, weight or caliper of the material as well as elevated ambient temperatures and humidity of the printing and storage environments can influence the block resistance of stacked prints.

* It is the printer's responsibility to pre-test and qualify the parameters, prior to each run.

COVERAGE

RENEGADE REG will yield an average of 3200 to 3600 sq. ft. per gallon based on film deposit of 0.40 to 0.60 mil, dependent on color and printing conditions.

SQUEEGEE

A 70-90 Durometer polyurethane blade is recommended.

INK MODIFICATION

REG Mixing Clear may be added to reduce opacity thus increasing cure speed. REG Mixing Clear is not recommended for viscosity reduction. UV-1800 Universal Thinner is recommended for viscosity reduction. It is not recommended to exceed 10% by total weight as this will reduce cure rate and may affect adhesion.

LIGHT FASTNESS

At full strength and fully cured, Renegade ink series has been formulated to withstand 2-3 years of exterior exposure. The use of Overprint Clear will increase the inks outdoor durability. Factors beyond our control that may negatively impact the outdoor durability expectations include but are not limited to: substrate grade/age, poor cure of ink film, directional positioning, ink film deposit, exposure to excessive abrasives and air pollutants.

METALLICS

REG Metallic Mixing Clear is supplied for use in mixing metallic powders or pastes. The increase in viscosity of Metallic Mixing Clear helps insure a good particle suspension and maintain a good premixed shelf life. The recommended mixing ratios are 8% by weight of silver powder and 20% of gold powder or 12% of silver paste and 28% of gold paste. For optimum coverage and opacity, 260-305 meshes are recommended. With the use of REG Overprint Clear, extended weatherability and improved non-tarnishing properties can be achieved.

COLOR AVAILABILITY

RENEGADE REG is available in twenty standard opaque colors and nine Color Matching System shades. Inktech's Color Formulating Guide reproduces over 1,000 colors utilizing the CMS shades. Custom matches, fluorescent, metallic and transparent colors are available upon request.

STANDARD COLORS

REG-0101	Primrose Yellow	REG-0205	Reflex Blue
REG-0111	Lemon Yellow	REG-0225	Forest Green
REG-0123	Medium Yellow	REG-0226	Lime Green
REG-0131	Brilliant Orange	REG-0210	Ultra Blue
REG-0135	Vivid Orange	REG-0220	Emerald Green
REG-0141	Fire Red	REG-0235	Teal
REG-0151	Scarlet Red	REG-0240	Purple
REG-0155	Rubine Red	REG-0260	Brown
REG-0160	Rhodamine Red	REG-0301	Opaque Black
REG-0180	Warm Red	REG-0311	Opaque White
REG-0190	Process Blue	REG-1350	Overprint Clear
REG-0200	Peacock Blue	REG-1710	Metallic Mixing Clear
UV -1800	Thinner		

COLOR MATCHING SYSTEM COLORS

REG-0064	CMS GS Yellow
REG-0066	CMS RS Yellow
REG-0114	CMS Orange
REG-0121	CMS YS Red
REG-0164	CMS BS Red
REG-0165	CMS Magenta
REG-0127	CMS Violet
REG-0230	CMS Blue
REG-0325	CMS Green
REG-0110	Shading Black
REG-0112	Tinting White
REG-1700	Mixing Clear

PROCESS COLORS

RENEGADE REG four color process colors exceed "SWOP" standards. Variation in densities may be achieved with the use of REG Halftone Base.

	High Density	Back-lit Density
REG-Halftone Yellow	1.10	1.35
REG-Halftone Red	1.75	2.05
REG-Halftone Blue	1.80	2.20
REG-Halftone Black	2.00	2.25
REG-Halftone Extender Base		

FLUORESCENT COLORS

RENEGADE REG is available upon request in nine shades of fluorescent colors. Fluorescent pigments are not light stable. For maximum brightness and color stability, 260 – 305 mesh count is recommended.

REG-0900	Magenta	REG-0940	Chartreuse	REG-0970	Pink
REG-0910	Orange/Red	REG-0950	Red	REG-0980	Orange
REG-0920	Green	REG-0960	Orange/Yellow	REG-0990	Blue

CAUTION:

Read Material Safety Data Sheet prior to using.

End user must determine suitability of this product for the intended use prior to production.

Always premix prior to use.



inktech UV INKS



Imagemark XR is a high performance Ultra Violet curable screen printing ink specifically formulated for multiple substrate adhesion performance. XR is the broadest ink system of its type offering the versatility to adhere to nearly all point of purchase stocks, including HDPE and fluted polyolefin stocks without the addition of a catalyst. XR exhibits a durable, high slip surface with excellent outdoor durability.

[See full product info & specs on following page.](#)

CODE NO.	DESCRIPTION	NET\$/3.78L
XR-0064	IMAGEMARK XR CMS YELLOW GS	377.00
XR-0066	IMAGEMARK XR CMS YELLOW RS	387.50
XR-0101	IMAGEMARK XR PRIMROSE YELLOW	345.60
XR-0110	IMAGEMARK XR SHADING BLACK	262.35
XR-0111	IMAGEMARK XR LEMON YELLOW	284.20
XR-0112	IMAGEMARK XR TINTING WHITE	316.25
XR-0114	IMAGEMAKR XR CMS ORANGE	398.00
XR-0121	IMAGEMARK XR CMS RED YS	366.55
XR-0123	IMAGEMARK XR MEDIUM YELLOW	318.40
XR-0127	IMAGEMARK XR CMS VIOLET	391.70
XR-0131	IMAGEMARK XR BRILLIANT ORANGE	345.60
XR-0135	IMAGEMARK XR VIVID ORANGE	366.55
XR-0141	IMAGEMARK XR FIRE RED	360.80
XR-0151	IMAGEMARK XR SCARLET RED	408.45
XR-0155	IMAGEMARK XR RUBINE RED	374.95
XR-0160	IMAGEMARK XR RHODAMINE RED	390.65
XR-0164	IMAGEMARK XR CMS RED BS	372.85
XR-0165	IMAGEMARK XR CMS MAGENTA	377.00
XR-0180	IMAGEMARK XR WARM RED	399.00
XR-0190	IMAGEMARK XR PROCESS BLUE	316.25
XR-0200	IMAGEMARK XR PEACOCK BLUE	282.25
XR-0205	IMAGEMARK XR REFLEX BLUE	369.20
XR-0210	IMAGEMARK XR ULTRA BLUE	356.10
XR-0220	IMAGEMARK XR EMERALD GREEN	356.10
XR-0225	IMAGEMARK XR FOREST GREEN	366.55
XR-0226	IMAGEMARK XR LIME GREEN	370.75
XR-0230	IMAGEMARK XR CMS BLUE	303.75
XR-0235	IMAGEMARK XR TEAL	360.30
XR-0240	IMAGEMARK XR PURPLE	408.45
XR-0260	IMAGEMARK XR BROWN	345.60
XR-0301	IMAGEMARK XR OPAQUE BLACK	268.10
XR-0311	IMAGEMARK XR OPAQUE WHITE	270.20
XR-0312	IMAGEMARK XR DENSE BLACK	270.55
XR-0325	IMAGEMARK XR CMS GREEN	307.90
XR-1130	IMAGEMARK XR HT BLACK	266.00
XR-1175	IMAGEMARK XR WORK OFF BLACK	288.00
XR-1330	IMAGEMARK XR HT YELLOW	356.10
XR-1350	IMAGEMARK XR OVERPRINT CLEAR	247.15
XR-1530	IMAGEMARK XR HT CYAN	272.30
XR-1630	IMAGEMARK XR HT MAGENTA	351.90
XR-1700	IMAGEMARK XR MIXING CLEAR	227.25
XR-1710	IMAGEMARK XR METALLIC MIXING CLEAR	226.75
XR-1730	IMAGEMARK XR HT BASE	282.75
XR-1800	IMAGEMARK THINNER	168.15

IMAGEMARK XR PRODUCT DATA SHEET

Imagemark XR is a high performance Ultra Violet curable screen printing ink specifically formulated for multiple substrate adhesion performance. XR is the broadest ink system of its type offering the versatility to adhere to nearly all point of purchase stocks, including HDPE and fluted polyolefin stocks without the addition of a catalyst. XR exhibits a durable, high slip surface with excellent outdoor durability.

PERFORMANCE PROPERTIES

- ➔ NVP and heavy metal free
- ➔ No additives required for adhesion to Coroplast®
- ➔ Flexible for multi-layer applications and die-cutting
- ➔ Good water resistance without additives
- ➔ Excellent water and moisture resistance with the addition of XR-1550 Water Resistant Additive
- ➔ Outstanding adhesion to a wide variety of substrates
- ➔ Low tack finish for easy handling of double sided prints
- ➔ Rapid cure rates, ideal for multi-color presses

RECOMMENDED SUBSTRATES

- ➔ Pressure sensitive vinyls
- ➔ Polycarbonate
- ➔ Polystyrene
- ➔ * Fluted Polyolefins (Coroplast®)
- ➔ ABS
- ➔ Acrylic
- ➔ Rigid Vinyl
- ➔ Board Stock
- ➔ Expanded Foam PVC
- ➔ Coated and Uncoated Paper
- ➔ Anodized Aluminum
- ➔ Many Coated Metals

* A minimum of 40 Dynes of surface energy is recommended for all Polyethylene and Polyolefin stocks.

CURING SPECIFICATIONS

Imagemark XR will cure well when printed through 355 plain weave polyester mesh or finer. **XR**'s optimal cure window of 125 - 175 mJ / 550 – 650 mW is generally achieved with one 200 watt per inch mercury vapor lamp at belt speeds between 65 - 75 feet per minute. Stock selection may necessitate additional energy. Adhesion should be a minimum of 95% from curing unit with final adhesion developing within six hours of initial polymerization. Coarser fabrics can be utilized; however, curing parameters may need to be adjusted for the increased ink film. If a loss of gloss or adhesion due to insufficient cure is noticed, the addition of 5 - 10 % XR Mixing Clear will increase light penetration and improve cure. Intensity of cure, weight or caliper of the material as well as elevated ambient temperatures and humidity of the printing and storage environments can influence the block resistance of stacked prints.

* It is the printer's responsibility to pre-test and qualify the parameters, prior to each run.

COVERAGE

Imagemark XR will yield an average of 3200 to 3600 sq. ft. per gallon based on film deposit of 0.40 to 0.60 mil, dependent on color and printing conditions.

SQUEEGEE

A 70-90 Durometer polyurethane blade is recommended.

INK MODIFICATION

The addition of 2% XR-1550 Water Resistant Additive is recommended where improved water and moisture resistance is required. XR Mixing Clear may be added to reduce opacity thus increasing cure speed. XR Mixing Clear is not recommended for viscosity reduction. UV Universal Thinner is recommended for viscosity reduction. It is not recommended to exceed 10% by total weight as this will reduce cure rate and may affect adhesion.

LIGHT FASTNESS

At full strength and fully cured, XR Series ink has been formulated to withstand 2-3 years of exterior exposure. The use of Overprint Clear will increase the inks outdoor durability. Factors beyond our control that may negatively impact the outdoor durability expectations include but are not limited to: substrate grade/age, poor cure of ink film, directional positioning, ink film deposit, exposure to excessive abrasives and air pollutants.

METALLICS

XR Metallic Mixing Clear is supplied for use in mixing metallic powders or pastes. The increase in viscosity of Metallic Mixing Clear helps insure a good particle suspension and maintain a good premix shelf life. The recommended mixing ratios are 8% by weight of silver powder and 20% of gold powder or 12% of silver paste and 28% of gold paste. For optimum coverage and opacity, 280-305 meshes are recommended. With the use of XR Overprint Clear, extended weatherability and improved non-tarnishing properties can be achieved.

COLOR AVAILABILITY

Imagemark XR is available in twenty standard opaque colors and nine Color Matching System shades. Inktech's Color Formulating Guide reproduces over 1,000 colors utilizing the CMS shades. Custom matches, fluorescent, metallic and transparent colors are available upon request.

STANDARD COLORS

XR-0101 Primrose Yellow	XR-0205 Reflex Blue
XR-0111 Lemon Yellow	XR-0225 Forest Green
XR-0123 Medium Yellow	XR-0226 Lime Green
XR-0131 Brilliant Orange	XR-0210 Ultra Blue
XR-0135 Vivid Orange	XR-0220 Emerald Green
XR-0141 Fire Red	XR-0235 Teal
XR-0151 Scarlet Red	XR-0240 Purple
XR-0155 Rubine Red	XR-0260 Brown
XR-0160 Rhodamine Red	XR-0301 Opaque Black
XR-0180 Warm Red	XR-0311 Opaque White
XR-0190 Process Blue	XR-1350 Overprint Clear
XR-0200 Peacock Blue	XR-1710 Metallic Mixing Clear
UV -1800 Thinner	

COLOR MATCHING SYSTEM COLORS

XR-0064 CMS GS Yellow
XR-0066 CMS RS Yellow
XR-0114 CMS Orange
XR-0121 CMS YS Red
XR-0164 CMS BS Red
XR-0165 CMS Magenta
XR-0127 CMS Violet
XR-0230 CMS Blue
XR-0325 CMS Green
XR-0110 Shading Black
XR-0112 Tinting White
XR-1700 Mixing Clear

PROCESS COLORS

Imagemark XR four color process colors exceed "SWOP" standards. Variation in densities may be achieved with the use of XR Halftone Base.

	High Density	Back-lit Density
XR-Halftone Yellow	1.10	1.35
XR-Halftone Red	1.75	2.05
XR-Halftone Blue	1.80	2.20
XR-Halftone Black	2.00	2.25
XR-Halftone Extender Base		

FLUORESCENT COLORS

Imagemark XR is available upon request in nine shades of fluorescent colors. Fluorescent pigments are not light stable. For maximum brightness and color stability, 260 – 305 mesh count is recommended.

XR-0900 Magenta	XR-0940 Chartreuse	XR-0970 Pink
XR-0910 Orange/Red	XR-0950 Red	XR-0980 Orange
XR-0920 Green	XR-0960 Orange/Yellow	XR-0990 Blue

CAUTION:

Read Material Safety Data Sheet prior to using.

End user must determine suitability of this product for the intended use prior to production.

Always premix prior to use.

Please Note: All screen inks can be ordered by phone or email. No shopping Cart on these items.



UV INKS - (BF) ULTRABOND SERIES

PRODUCT DESCRIPTION

BF ULTRABOND is a multipurpose UV screen ink for banner and electrostatic film applications. **BF ULTRABOND** is unique in its ability to adhere to highly plasticized vinyl banner, polyethylene banners and electrostatic vinyl films. **BF ULTRABOND**'s wide adhesion range is unmatched by all other UV 'banner' inks known to be on the market today. This provides screen printers with the opportunity to stock a single ink line for all banner applications.

SUBSTRATES

BF ULTRABOND exhibits excellent adhesion to vinyl banners, electrostatic film and polyethylene banner material having treatment levels of at least 40 dynes. It also provides good adhesion to pressure sensitive vinyl, bus king vinyl, polystyrene, ABS, standard and polyethylene card stock. High density and fluted polyethylene with use of 3-5% 1534 Adhesion Promoter.

CAUTION
It is the
Printer's
Responsibility
to Test Ink
Before Printing

1. Allow 24-96 hours after test printing to evaluate ink for intended application.
2. If product requires overlapping coats (i.e. multi-colours) test ink on substrate with overlapping coats.
3. Refer to M.S.D.S. for heavy metal content.

FULL TECHNICAL SHEET AVAILABLE FOLLOWS BELOW

BF ULTRABOND PRICE LIST

CODE NO.	DESCRIPTION	\$/3.78L
BF-0064	BF ULTRABOND CMS YELLOW GS	369.80
BF-0066	BF ULTRABOND CMS YELLOW RS	410.45
BF-0101	BF ULTRABOND PRIMROSE YELLOW	348.70
BF-0110	BF ULTRABOND SHADING BLACK	297.75
BF-0111	BF ULTRABOND LEMON YELLOW	329.20
BF-0112	BF ULTRABOND TINTING WHITE	312.85
BF-0114	BF ULTRABOND CMS ORANGE	440.35
BF-0121	BF ULTRABOND CMS RED YS	377.00
BF-0123	BF ULTRABOND MEDIUM YELLOW	303.00
BF-0127	BF ULTRABOND CMS VIOLET	383.10
BF-0131	BF ULTRABOND BRILLIANT ORANGE	393.00
BF-0135	BF ULTRABOND VIVID ORANGE	387.00
BF-0141	BF ULTRABOND FIRE RED	358.00
BF-0151	BF ULTRABOND SCARLET RED	399.35
BF-0155	BF ULTRABOND RUBINE RED	397.45
BF-0160	BF ULTRABOND RHODAMINE RED	393.60
BF-0164	BF ULTRABOND CMS RED BS	365.85
BF-0165	BF ULTRABOND CMS MAGENTA	381.60
BF-0180	BF ULTRABOND WARM RED	392.85
BF-0190	BF ULTRABOND PROCESS BLUE	337.00
BF-0200	BF ULTRABOND PEACOCK BLUE	339.60
BF-0205	BF ULTRABOND REFLEX BLUE	362.00
BF-0210	BF ULTRABOND ULTRA BLUE	354.70
BF-0220	BF ULTRABOND EMERALD GREEN	326.90
BF-0225	BF ULTRABOND FOREST GREEN	358.25
BF-0226	BF ULTRABOND LIME GREEN	352.65
BF-0230	BF ULTRABOND CMS BLUE	309.55
BF-0235	BF ULTRABOND TEAL	336.30
BF-0240	BF ULTRABOND PURPLE	371.30
BF-0260	BF ULTRABOND BROWN	387.45
BF-0301	BF ULTRABOND OPAQUE BLACK	306.35
BF-0311	BF ULTRABOND OPAQUE WHITE	297.00
BF-0325	BF ULTRABOND CMS GREEN	332.10
BF-1130	BF ULTRABOND HT BLACK	292.40
BF-1330	BF ULTRABOND HT YELLOW	384.20
BF-1350	BF ULTRABOND OVERPRINT CLEAR	304.60
BF-1530	BF ULTRABOND HT CYAN	298.50
BF-1630	BF ULTRABOND HT MAGENTA	381.20
BF-1700	BF ULTRABOND MIXING CLEAR	304.60
BF-1710	BF ULTRABOND METALLIC MIXING CLEAR	343.25
BF-1730	BF ULTRABOND HT BASE	310.90
BF-1800	BF ULTRABOND THINNER	249.00

ULTRABOND BF PRODUCT DATA SHEET

Ultrabond BF is distinct in its ability to offer non-blocking and flexibility needed for banner applications while also providing adhesion to many point-of-purchase stocks. This versatility provides screen printers an opportunity to reduce ink inventory by stocking a single ink line for most applications. Ultrabond BF's exceptional flexibility and adhesion will stand up to the demand of the most stringent finishing requirements. Ultrabond BF provides a durable, non-blocking surface and has excellent outdoor durability.

PERFORMANCE PROPERTIES

- ➔ Broadest adhesion range of any Inktech/Polymeric UV ink
- ➔ Flexible for sewing, grommeting and die-cutting without cracking
- ➔ Allows double face printing without re-wetting or picking
- ➔ Superior opacity provides better color trapping
- ➔ Low tack finish to eliminate slip sheeting
- ➔ Water and abrasion resistance
- ➔ NVP and heavy metal free

RECOMMENDED SUBSTRATES

- ➔ Vinyl and Polyethylene Banner
- ➔ Electrostatic Vinyl
- ➔ Pressure sensitive vinyls
- ➔ Unsupported Vinyl
- ➔ Polystyrene
- ➔ ABS
- ➔ PETG
- ➔ Tyvek
- ➔ Many Coated Metals
- ➔ *Fluted Polyolefins (with BF-1534)
- ➔ Card Stock and Paper
- ➔ Print Treated Polyester
- ➔ Expanded Foam PVC
- ➔ Polycarbonate (without adhesives)

*A minimum of 40 Dynes of surface energy is recommended for Polyolefin stock.

CURING SPECIFICATIONS

Ultrabond BF will cure well when printed through 355 plain weave polyester mesh or finer. Ultrabond BF's optimal cure window of 125 – 160 mJ / 550 – 650 mW is generally achieved with one 200 watt per inch mercury vapor lamp at belt speeds between 75 - 100 feet per minute. Cure speeds may vary as thicker gauge stocks and dark surface colors require more energy. Adhesion should be a minimum of 95% from curing unit with final adhesion developing within four hours of initial polymerization. Coarser fabrics can be utilized; however, curing parameters may need to be adjusted for the increased ink film. If a loss of gloss or adhesion due to insufficient cure is noticed, the addition of 5 – 10 % BF Mixing Clear will increase light penetration and improve cure. Addition of thinner will not improve cure and may cause the cure rate to decrease. Intensity of cure, weight or caliper of the material as well as elevated ambient temperatures and humidity of the printing and storage environments can influence the block resistance of stacked prints.

* It is the printer's responsibility to pre-test and qualify the parameters, prior to each run.

COVERAGE

Ultrabond BF will yield an average of 3600 to 3800 sq. ft. per gallon based on film deposit of 0.40 to 0.60 mil, dependent on color and printing conditions.

SQUEEGEE

A 70-90 Durometer polyurethane blade is recommended.

INK MODIFICATION

BF Mixing Clear may be added to reduce opacity thus increasing cure speed. BF Mixing Clear is not recommended for viscosity reduction. UV Universal Thinner is recommended for viscosity reduction. It is not recommended to exceed 10% by total weight as this will reduce cure rate and may affect adhesion.

LIGHT FASTNESS

At full strength and fully cured, BF Series ink has been formulated to withstand 2-3 years of exterior exposure. The use of Overprint Clear will increase the inks outdoor durability. Factors beyond our control that may negatively impact the outdoor durability expectations include but are not limited to: substrate grade/age, poor cure of ink film, directional positioning, ink film deposit, exposure to excessive abrasives and air pollutants.

METALLICS

BF Metallic Mixing Clear is supplied for use in mixing metallic powders and pastes. The increase in viscosity of Metallic Mixing Clear helps insure a good particle suspension and maintain a good premix shelf life. The recommended mixing ratios are 8% by weight of silver powder and 20% of gold powder or 12% of silver paste and 28% of gold paste. For optimum coverage and opacity, 280-305 meshes are recommended. With the use of BF Overprint Clear, extended weatherability and improved non-tarnishing properties can be achieved.

COLOR AVAILABILITY

Ultrabond BF is available in twenty standard opaque colors and nine Color Matching System shades. Inktech's Color Formulating Guide reproduces over 1,000 colors utilizing the CMS shades. Custom matches, fluorescent, metallic and transparent colors are available upon request.

STANDARD COLORS

BF-0101 Primrose Yellow	BF-0205 Reflex Blue
BF-0111 Lemon Yellow	BF-0225 Forest Green
BF-0123 Medium Yellow	BF-0226 Lime Green
BF-0131 Brilliant Orange	BF-0210 Ultra Blue
BF-0135 Vivid Orange	BF-0220 Emerald Green
BF-0141 Fire Red	BF-0235 Teal
BF-0151 Scarlet Red	BF-0240 Purple
BF-0155 Rubine Red	BF-0260 Brown
BF-0160 Rhodamine Red	BF-0301 Opaque Black
BF-0180 Warm Red	BF-0311 Opaque White
BF-0190 Process Blue	BF-1350 Overprint Clear
BF-0200 Peacock Blue	BF-1710 Metallic Mixing Clear
UV -1800 Thinner	

COLOR MATCHING SYSTEM COLORS

BF-0064 CMS GS Yellow
BF-0066 CMS RS Yellow
BF-0114 CMS Orange
BF-0121 CMS YS Red
BF-0164 CMS BS Red
BF-0165 CMS Magenta
BF-0127 CMS Violet
BF-0230 CMS Blue
BF-0325 CMS Green
BF-0110 Shading Black
BF-0112 Tinting White
BF-1700 Mixing Clear

PROCESS COLORS

Ultrabond BF four color process colors exceed "SWOP" standards. Variation in densities may be achieved with the use of BF Halftone Base.

	High Density	Back-lit Density
BF-Halftone Yellow	1.10	1.35
BF-Halftone Red	1.75	2.05
BF-Halftone Blue	1.80	2.20
BF-Halftone Black	2.00	2.25
BF-Halftone Extender Base		

FLUORESCENT COLORS

Ultrabond BF is available upon request in nine shades of fluorescent colors. Fluorescent pigments are not light stable. For maximum brightness and color stability, 260 – 305 mesh count is recommended.

BF-0900 Magenta	BF-0940 Chartreuse	BF-0970 Pink
BF-0910 Orange/Red	BF-0950 Red	BF-0980 Orange
BF-0920 Green	BF-0960 Orange/Yellow	BF-0990 Blue

CAUTION:

Read Material Safety Data Sheet prior to using.

End user must determine suitability of this product for the intended use prior to production.

Always premix prior to use.