



# STATE-OF-THE-ART SECURITY PAPER

Defensa® Security Papers from Pixelle Specialty Solutions® are your best defense against document alteration, forgery and counterfeiting. With a wide range of built-in security features, they provide the powerful protection you need for security document printing. And with Printloc toner adhesion available on all white Defensa bond papers, you can add another layer of security without increasing paper weight. Plus, we've designed Defensa for Inkjet to provide superior image density and ink drying on a variety of inkjet printing equipment.

- > Guaranteed to run on offset and digital equipment
- > Available with overt and covert security features
- > Compatible with microprinting, thermochromic ink, holograms and void pantograph
- > Printloc toner adhesion will not increase paper weight

**defensa**®  
Security Papers

## DEFENSA® SECURITY PAPERS

BASIS WEIGHT	GSM	BRIGHTNESS	OPACITY	CALIPER	SMOOTHNESS (WIRE / FELT)
24 lb. Bond	90	82	91	4.65	150 / 150
28 lb. Bond	105	82	93	5.5	150 / 150
26 lb. Carbonless CB	98	82	91	4.7	150 / 150

### HIGHLIGHTS OF THE DEFENSA LINES

**Defensa Basic** has invisible fibers that can only be seen under UV light, plus chemical alteration indicators.

**Defensa True** has a true Fourdrinier watermark.

**Defensa SecurityGate®** has an artificial printed watermark. Customers may even create a custom watermark.

**Defensa Design** features a Fourdrinier watermark, a two-bar pattern with bleachable ink, embedded fibers and a multi-language invisible void feature.

**Defensa Premium** offers the highest level of security: a Fourdrinier watermark, full chemical reactivity and visible and invisible embedded fibers.

### DEFENSA ENHANCEMENTS

**Printloc toner adhesion.** Superior toner adhesion on all white Defensa bond paper adds another level of security.

**Sheets available.** All Defensa grades can be produced in sheet form with dimensions from cut size to folio. Order minimums may apply.

**Inkjet compatible.** Defensa Basic IJ, Defensa True IJ and Defensa Premium IJ are all compatible with inkjet equipment.

# DEFENSA® GRADE LINE COMPARISON CHART

SECURITY FEATURES	TRANSFORM MOGR® WITH PRINTLOC	DEFENSA BASIC	DEFENSA BASIC IJ	DEFENSA TRUE	DEFENSA TRUE IJ	DEFENSA SECURITY GATE	DEFENSA DESIGN	DEFENSA PREMIUM	DEFENSA PREMIUM IJ
MICR compatibility	■	■	■	■	■	■	■	■	■
UV/optical properties	92 Bright	Optically Dull	Optically Dull	Optically Dull	Optically Dull	Optically Dull	Optically Dull	Optically Dead	Optically Dead
True Fourdrinier paper machine watermark				■	■		■	■	■
Artificial printed watermark						■			
Printed two-bar pattern with bleachable ink							■ (green only)		
Invisible multi-language void							■		
Three indicator stains: <i>bleach and oxidizer, polar and nonpolar solvents</i>		■	■	■	■	■	■		
Five indicator stains: <i>bleach and oxidizer, polar and nonpolar solvents, acid and base reaction</i>								■	■
Invisible embedded fibers: <i>can only be seen under UV light</i>		■	■	■	■	■	■	■	■
Visible embedded fibers: <i>red and blue</i>								■	■
Enhanced inkjet performance			■		■				■
Printloc toner adhesion: true security-level toner anchorage for laser printing	■	Optional	NA	Optional	NA	Optional	Optional	Optional	NA
Colors	White	White	White	White	White	White	White, green	White	White
Basis weight bond	24 lb.	24 lb. & 28 lb.	24 lb.	24 lb.	24 lb.	24 lb.	24 lb.	24 lb. & 28 lb.	24 lb.
Basis weight with Printloc	24 lb.	24 lb. & 28 lb.		24 lb.		24 lb.	24 lb.	24 lb. & 28 lb.	
Basis weight CB		26 lb.				26 lb.	26 lb.	26 lb.	



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## TO PLACE AN ORDER

Contact your sales representative or call us at Pixelle.

1-800-458-6323 | [www.Pixelle.com](http://www.Pixelle.com)

[CustomerService@Pixelle.com](mailto:CustomerService@Pixelle.com)

All grades are available as chain-of-custody certified under these forestry certification programs. Call Customer Service for more details on certified products.

