

# FEDRIGONI

## PAPER

# FREELIFE VELLUM

High quality papers and boards, with 40% recycled material certify FSC®, 55% pure environmentally friendly fiber certify FSC® and 5% cotton fiber. Available in three shades: Premium White, White and Ivory.

### DESCRIPTION

SIZE	GRAIN	SUBSTANCE
64X88	LG	100 120
70X100	LG	100 120 140 170 215 260 320

### RANGE

SUBSTANCE	VSA	OPACITY	ROUGHNESS	TENSILE STRENGTH	
				long ± 10%	cross ± 10%
ISO 536	ISO 534	ISO 2471	ISO 8791-2	ISO 1924	
g/m <sup>2</sup>	cm <sup>3</sup> /g	%	ml/min	kN/m	
100 ± 3%	1,3	95 ± 2	600 ± 300	6,5	3,1
120 ± 3%	1,3	96 ± 2	600 ± 300	7,2	3,5
140 ± 3%	1,3	97 ± 2	600 ± 300	7,7	3,9
170 ± 3%	1,3	98 ± 2	600 ± 300	9	4,4
215 ± 4%	1,3	-	600 ± 300	9,6	5,2
260 ± 5%	1,3	-	600 ± 300	11,1	5,7
320 ± 5%	1,3	-	600 ± 300	-	-

### TECHNICAL FEATURES

ref. standard/instrument  
unit of measure

Brightness (col. Premium White) - ISO 2470 (R457) - 101% ± 2  
Brightness (col. White) - ISO 2470 (R457) - 89% ± 2  
Relative Humidity 50% ± 5 ref. TAPPI 502-98



### ECOLOGICAL FEATURES

Given the considerable amount of recycled content within the product it is normal for there to be a slight variation in the shade and occasional small residues from the recycling process, from one making to the next. The product is completely biodegradable and recyclable. Special runs available upon request.

### NOTES

Envelopes available on stock.

# FREELIFE VELLUM

Freelife Vellum papers and boards are ideal for any kind of publishing, packaging and commercial printing. They are held in high regard for coordinated graphic materials, special publications, brochures and booklets.

## APPLICATIONS

Can be used without problems with the main printing systems: letterpress, offset, blind embossing, hot foil stamping, thermography and screen printing. The macro-porous surface suggests the use of oxidative drying inks. Good chromatic result: attainable ink load, dot-gain and printing contrast are analogous to those obtainable onto pure pulp substrates.

## PRINTING SUGGESTIONS

Varnishing and plastic laminating must be assessed in advance. The varnish coated with an offset machine is almost fully absorbed and therefore does not improve gloss or protection. Screen-printing varnishing achieves better results, although it is often necessary to perform two shots to achieve a distinctly evident result. The surface roughness typical of uncoated papers may give rise to micro defects with plastic laminating caused by incomplete adhesion of the film to the substrate. Good results with major processing operations such as: cutting, die-cutting, scoring, folding and glueing.

## CONVERTING SUGGESTIONS

