

FEDRIGONI

PAPER

FREELIFE CENTO

High quality smooth recycled papers FSC® certified. Made with 100% recycled material. Available in Extra White shade in 64x88, 70x100 and 72x102 sizes. Black shade in 72x102 size (Carbon Black free).

DESCRIPTION

SIZE	GRAIN	SUBSTANCE
64X88	LG	80 100 120
70X100	LG	80 100 120 170 210 260
72X102	LG	120 170 210 260 350

RANGE

SUBSTANCE	VSA	OPACITY	ROUGHNESS	TENSILE STRENGTH	
ISO 536	ISO 534	ISO 2471	ISO 8791-2	ISO 1924	
g/m²	cm³/g	%	ml/min	kN/m	
				long ± 10%	cross ± 10%
80 ± 3%	1,2	90 ± 2	180 ± 50	5	2,2
100 ± 3%	1,2	93 ± 2	180 ± 50	6,3	3
120 ± 3%	1,2	96 ± 2	180 ± 50	7	3,1
170 ± 4%	1,2	98 ± 2	180 ± 50	9	4,3
210 ± 5%	1,2	-	180 ± 50	7,9	3,6
260 ± 5%	1,2	-	180 ± 50	10,8	5,4
350 ± 5%	1,2	-	180 ± 50	-	-

TECHNICAL FEATURES

ref. standard/instrument
unit of measure

Brightness (col. Extra White) - ISO 2470 (R457)
- 93% ± 2
Relative Humidity 50% ± 5 ref. TAPPI 502-98



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.

ECOLOGICAL FEATURES

NOTES

FREELIFE CENTO

Freelife Cento papers are ideal for any kind of publishing 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, web-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. We remind that although the black surface of "Freelife Cento Black" remains normal, when it's rubbed against another white surface, black particles might be rubbed off.

CONVERTING SUGGESTIONS



FREELIFE CENTO EW ROUGH

High quality recycled rough papers FSC® certified. Made with 100% recycled material.

DESCRIPTION

SIZE	GRAIN	SUBSTANCE
72X102	LG	120 170 210 260 350

RANGE

SUBSTANCE	VSA	OPACITY	ROUGHNESS	TENSILE STRENGTH	
ISO 536	ISO 534	ISO 2471	ISO 8791-2	ISO 1924	
g/m²	cm³/g	%	ml/min	kN/m	
				long ± 10%	cross ± 10%
120 ± 3%	1,3	94 ± 2	700 ± 20%	6,3	3,6
170 ± 4%	1,3	98 ± 2	1000 ± 20%	8,7	4,5
210 ± 4%	1,3	-	1000 ± 20%	11,3	6,0
260 ± 5%	1,3	-	1100 ± 20%	11,6	6,8
350 ± 5%	1,4	-	1200 ± 20%	11,7	6,9

TECHNICAL
FEATURES

ref. standard/instrument
unit of measure

Brightness - ISO 2470
(R457) - 93% ± 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

FREELIFE CENTO EW ROUGH

Freelife Cento EW Rough papers are ideal for any kind of publishing 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, web-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

