FEDRIGONI
SPECIAL PAPERS

SYMBOL FREELIFE PEARL

DESCRIPTION

Papers and boards made with ECF (Elemental Chlorine Free) pulp and 40% recycled fibers.FSC® Mix certified (FSC-C015523). Triple blade coated on both sides with a Pearly finish. Available in Pearl Ice shade.

RANGE

SIZE	GRAIN	SUBSTANCE
70X100	LG	170 200

TECHNICAL FEATURES

SUBSTANCE	VSA	OPACITY	GLOSS	TENSILE STRENGTH	
ISO 536	ISO 534	ISO 2471	ISO 8254-1	ISO 1924	
g/m²	cm³/g	%	%	kN/m	
				long ± 10%	cross ± 10%
150 ± 3%	0,83	96 ± 2	50 ± 10	6	4,6
170 ± 3%	0,85	98 ± 2	50 ± 10	6,8	5,2
200 ± 4%	0,87	-	50 ± 10	7,3	5,7
250 ± 5%	0,93	-	50 ± 10	-	
300 ± 5%	0,95	-	50 ± 10	-	

ref. standard/instrument unit of measure

Brightness Pearl Ice - ISO 2470 (R457) - 79% ± 2
Relative Humidity 50% ± 5
ref. TAPPI 502-98

CERTIFICATIONS AND LICENCES

FSC www.fsc.org FSC® C015523 The mark of responsible forestry

RICICLABILE CON LA CARTA Aticelca® 501 Aticelca® 10788-0002

NOTES

The product is recyclable according to Aticelca 501:2025 and Cepi V.2-2022, based on UNI 11743:2019.

Given the considerable amount of recycled content within the product it is possible for there to be a slight variation in the shade, from one making to the next.

Special runs available upon request.

UNI EN ISO 9001:2015 - CQ 539
UNI EN ISO 14001:2015 - CQ 7847
UNI EN ISO 45001:2023 - CQ 26471

PRODUCT DATA SHEET
SYM/1R1
Update 09/2026
Rev. n° 15

SYMBOL FREELIFE PEARL

APPLICATIONS

Symbol Freelife Pearl is a collection of papers and boards ensuring universal applications. They are ideal for publications, coordinated graphic materials, covers, inserts and prestige brochures where sensations of technical content and advanced design are required.

PRINTING SUGGESTIONS

Can be used with the main printing systems: litho offset, blind embossing, hot-foil stamping, thermographic and screen printing. The surface has no porosity, so that inks do not dry through absorption into the media. Polymerization in sheet-fed offset printing takes place by means of oxidation, so that inks for plastics should be used. Excellent results have been achieved with U.V. inks. The adhesion of the ink, once dry, is very good. It is also particularly important to check the other process variables, especially the fountain solution, which must be dosed at minimum levels to ensure that emulsioning is kept within moderate levels. We recommend a buffered pH of 5÷5,5 with 800÷1200 µS conductivity. It may be appropriate to add small quantities of additives to the fountain solution and/or the ink to accelerate the ink polymerization process. Anti-setoff spray powder is useful and low output stacks are necessary; we advise the use of water based varnish online. Drying times depend on the quantity of ink and process variables and may vary from 8-10 hours to more than 24 hours. In this regard, good results are obtained with UCR and GCR grading to reduce the mass of ink transferred onto the paper. In screen-printing, and even hot foil stamping, we recommend inks or foils suitable for plastic-finished surfaces.

CONVERTING SUGGESTIONS

Good results with major processing operations such as: cutting, die-cutting, scoring, folding and glueing, varnishing, plastic laminating and bonding. For the correct choice of glueing types, we recommend to perform specific tests with your regular supplier. We suggest to scoring all the substances above 170 gsm.

The Company reserves the right to modify the technological features of the product in relation to market requirements.