



# SIRIO BLACK-BLACK

**description** Uncoated papers and boards, certify FSC. High strength, pulp-coloured with black and very light-fast pigments. Substance 70 g is single-ply, the other ones are off-machine laminated with natural starches.

**range**

size	grain	substance
70x100	LG	70 260 290 380 480 700

**technical features**  
ref. standard/instrument  
unit of measure

substance	VSA	roughness	Taber stiffness 15°		tensile strength	
ISO 536	ISO 534	ISO 8791-2	ISO 2493		ISO 1924	
g/m <sup>2</sup>	cm <sup>3</sup> /g	ml/min	mN		kN/m	
			long±10%	cross±10%	long±10%	cross±10%
70 ± 3%	1,4	600 ± 200	4,5	2,5	5,2	2,6
260 ± 5%	1,23	750 ± 200	190	90	22,2	10,8
290 ± 5%	1,23	750 ± 200	240	110	24,8	11,1
380 ± 5%	1,18	850 ± 200	460	220	–	–
480 ± 5%	1,18	950 ± 200	860	400	–	–
700 ± 5%	1,18	1100 ± 200	2200	1100	–	–

Relative Humidity 50% ± 5 ref. TAPPI 502-98

**ecological features**



ELEMENTAL  
CHLORINE  
**FREE**  
GUARANTEED



HEAVY METAL  
**ABSENCE**  
CE 94 / 62

**notes** The product is completely biodegradable and recyclable. Special runs available upon request.

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

Sirio Black-Black is a board created for albums although it is also perfect for packaging, covers and inserts.

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. With hot foil stamping reproductions in specific hygrometric conditions, or using unsuitable foils, problems like oxidation or speckled printing may arise, especially using colours like Golden, Silver or Metallic. It is recommended the consultation with your foil providers. In order to give total solution to this problem it is necessary to isolate the film for hot stamping printing from the paper: it can be done either with a plastic coated surface, a double hot stamping printing (making sure to use a white or transparent film before the printing metal band), or with a printing water-based or solvent varnish.

printing  
suggestions

Varnishing and plastic laminating must be assessed in advance. The varnish coated with an offset machine is almost fully absorbed and therefore it 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 “Sirio Black-Black” remains normal, when it is forcefully rubbed against another white surface, black particles might be rubbed off.

converting  
suggestions