



# SIRIO BLACK-WHITE

## description

Multi-layer board, high strength, certify FSC. Made up of a White sheet and a Black one which is off-machine laminated with natural starches. The black layer is pulp-dyed with light-fast colour.

## range

size      grain      substance  
71x101    LG      240

## 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	
		Black	White	long±10%	trasv±10%	long±10%	trasv±10%
240 ± 5%	1,3	1100	300	180	80	20,2	9,1

Brightness - ISO 2470 (R457) - 103 ± 2  
Relative Humidity 50% ± 5 ref. TAPPI 502-98

## ecological features



The mark of responsible forestry

ELEMENTAL  
CHLORINE  
FREE  
GUARANTEED



## 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-White 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. For hot foil stamping reproductions, only for the Black side, in specific hygrometric conditions, or using unsuitable foils it can arise problems like oxidation or speckled printing, especially using colors 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 and glueing. We remind you that although the black surface of “Sirio Black-White” remains normal, when it is forcefully rubbed against another white surface, black particles might be rubbed off.

converting suggestions