



# X-PER

## description

Uncoated papers and boards made with E.C.F. pulp, certify FSC. Special treatment on both sides to enhance the pleasant surface and to allow a particularly bright and sharp printing. Available in Premium White shade.

## range

size      grain      substance  
72x102    LG      100    120    140    200    250    320

## technical features

ref. standard/instrument  
unit of measure

substance	VSA	Taber stiffness 15°		smoothness
ISO 536	ISO 534	ISO 2493		ISO 8791-2
g/m <sup>2</sup>	cm <sup>3</sup> /g	mN		ml/min
		long±10%	trasv±10%	
100 ± 3%	1,1	12	8	250 ± 50
120 ± 3%	1,1	18	12	250 ± 50
140 ± 3%	1,1	20	14	250 ± 50
200 ± 4%	1,2	50	30	350 ± 50
250 ± 5%	1,2	120	70	400 ± 50
320 ± 5%	1,2	200	130	450 ± 50

Brightness (col. Premium White) - ISO 2470 (R457) - 104% ± 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.

X-Per is the ideal substrate for any graphic project, indeed the high handling characteristics, the high rigidity and opacity make it an optimal choice for the most demanded universal uses, from publishing to packaging or any commercial printing.

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 demi-oxidizing drying inks. Use of a moderate ink load will result in better control of setting; in this regard, good results are obtained with UCR or GCR grading to reduce the mass of ink transferred onto the paper, with screen size up to 175 lpi. Good chromatic and tone performance, ink load, dot gain and printing contrast are at the highest levels obtainable from uncoated papers.

printing  
suggestions

Varnishing and plastic laminating must be assessed in advance. The varnishing 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