

# KPP-ESSENCE WHITE SMOOTH

Wood-free smooth uncoated papers and boards E.C.F. with FSC® certification. Available in the new warm “White” shade. Excellent look-through and cleanliness make this paper ideal for any graphic project. Rational yet elegant, good for texts, pictures, packaging and illustrations, it works with any printing and post-printing process and performs well with any binding and folding technique. Substances above 300 gsm are obtained by wet lamination during the paper-making stage.

## DESCRIPTION

## TECHNICAL FEATURES

ref. standard/instrument  
unit of measure

SUBSTANCE	VSA	OPACITY	ROUGHNESS	BRIGHTNESS
ISO 536	ISO 534	ISO 2471	ISO 8791-2	ISO 2470
g/m²	cm³/g	%	ml/min	%
90 ± 3%	1,15	90 ± 2	150 ± 20%	102% ± 2
100 ± 3%	1,15	92 ± 2	150 ± 20%	102% ± 2
120 ± 3%	1,15	94 ± 2	150 ± 20%	102% ± 2
140 ± 3%	1,15	96 ± 2	150 ± 20%	102% ± 2
170 ± 3%	1,15	97 ± 2	150 ± 20%	102% ± 2
200 ± 4%	1,15	-	150 ± 20%	102% ± 2
250 ± 5%	1,20	-	220 ± 20%	102% ± 2
300 ± 5%	1,22	-	220 ± 20%	102% ± 2
350 ± 5%	1,22	-	220 ± 20%	102% ± 2
400 ± 5%	1,22	-	220 ± 20%	102% ± 2
450 ± 5%	1,22	-	220 ± 20%	102% ± 2
580 ± 5%	1,22	-	220 ± 20%	102% ± 2

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



## ECOLOGICAL FEATURES

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

## NOTES

Envelopes available on stock.

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KPP-Essence White Smooth is excellent for de luxe publications, diaries, note-books, boxes, greeting cards and announcements, paper binding, envelopes, calendars, catalogues and letterheads.

## APPLICATIONS

KPP-Essence White Smooth can be used without problems with the main printing processes: traditional and UV or H-UV offset, embossing, hot foil stamping, screen printing, letterpress. The macro-porous surface works best when using semi-oxidative drying inks. KPP-Essence White Smooth has good chromatic and tone performance. Printing densities, dot gain and printing contrast are at the highest performance levels obtainable from uncoated papers.

## PRINTING SUGGESTIONS

Varnishing and plastic laminating must be assessed in advance. Varnishing applied with an offset machine is almost fully absorbed and therefore does not improve gloss or protection. Screenprinting varnishing achieves better results, although it's often necessary to perform two runs to achieve best results. 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 paper. Good results are achieved with major processing operations such as cutting, die-cutting, scoring, folding and gluing.

## CONVERTING SUGGESTIONS

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**KPP-Antalis** 