

## TREE FREE



### PRODUCT DESCRIPTION

TREE FREE uses 25% cotton linters and 75% bamboo. Both are renewable annual crops which yield high quality fibres giving a smooth, natural and soft to the touch finish to the paper and high performance in printing.

To complete the story of sustainability it is recyclable, biodegradable and made using EKOenergy from our own hydroelectric power station. The emissions generated during production of this eco-friendly paper are fully offset through Carbon Credits used to finance activities that can absorb CO<sub>2</sub> in the atmosphere.

Needless to say Tree Free carries the FSC™ certification, even though like the name implies it has no impact on forests.

### TECHNICAL DATA

	METHOD		+/-	90 g/m <sup>2</sup>	120 g/m <sup>2</sup>	160 g/m <sup>2</sup>	200 g/m <sup>2</sup>	250 g/m <sup>2</sup>	300 g/m <sup>2</sup>	380 g/m <sup>2</sup>
BASIC WEIGHT	ISO 536	g/m <sup>2</sup>	5%	90	120	160	200	250	300	380
CALIPER	ISO 534	µm	5%	110	145	185	228	280	336	426
BULK	ISO 534	cm <sup>2</sup> /g	-	1,22	1,21	1,16	1,14	1,12	1,12	1,12
CIE WHITENESS*	ISO 11475	%	3	-	128	-	128	128	-	128
ROUGHNESS (BENDTSEN)	ISO 8791-2	ml/min	50	260	260	260	260	260	260	260
OPACITY	ISO 2471	%	-	>87	>91	-	-	-	-	-
MOISTURE CONTENT	ISO 287	%	1,0	6,5	6,5	6,5	6,5	6,5	6,5	5,0

\* Refers to Natural shade.

NB. At times slight differences may occur in paper shade and look as a result of the use of natural raw materials.

Special makings are available upon request.



PAPER COMPENSATED THROUGH A BIOMASS OFFSET PROJECT IN CHINA



Tree Free conforms to ISO 9706 requirements for permanence and is suitable for applications requiring "Acid Free" paper. It is biodegradable and recyclable.

## PRINTING AND FINISHING RECCOMENDATIONS

- INKS** ■ TREE FREE should be printed with fresh or semi-fresh inks, preferably new and undiluted.
- BLANKETS** ■ For a good graphic impression, use compressible blankets.
- SCREENS** ■ For the offset printing process a screen value of 150 lpi is recommended. For dry offset printing this can be slightly higher, for example 200 lpi.
- DRYING TIME** ■ Allow 24 hours drying time after printing. For heavier graphic elements and higher densities, sufficient powder should be applied.
- FINISHING** ■ Prescoring is recommended for board weights and when folding against the grain direction.
- PRINTABILITY AND RUNNABILITY** ■ Every method of printing, embossing, punching, die cutting, creasing, laminating and UV varnishing is possible.
- NOTE** ■ Due to its hygroscopic nature, paper can show curl issues if not conditioned properly. To avoid any issue, we recommend to store the paper closed in its original wrap inside the printing area for at least 24-48 hours. After this conditioning time, the wrapping can be open and the paper can be utilized.

> Please contact our technical department for further suggestions.

## MILL ACCREDITATION | Rossano Veneto VI - Italy

CORPORATE QUALITY MANAGEMENT STANDARD | UNI EN ISO 9001

ENVIRONMENTAL MANAGEMENT STANDARD | UNI EN ISO 14001

OCCUPATIONAL HEALTH AND SAFETY MANAGEMENT STANDARD | UNI EN ISO 45001

ECO-MANAGEMENT AND AUDIT SCHEME CE 1221/2009 | EMAS

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