

# FEDRIGONI

## PAPER

# MATERICA

Uncoated papers and boards pulp-coloured and FSC® certified. Made with 40% CTMP fibers, 25% pure environmentally friendly FSC® fiber, 25% recycled material FSC® certified and 10% of cotton fiber. Available in white shade (Gesso) and thirteen colours. The substances 250 gsm (except for the shades Gesso and Limestone) and the 360 gsm are off-line laminated.

### DESCRIPTION

SIZE	GRAIN	SUBSTANCE
72X102	LG	120 180 250 360

### RANGE

SUBSTANCE	VSA	ROUGHNESS	TABER STIFFNESS 15°		TENSILE STRENGTH	
			long ± 10%	cross ± 10%	long ± 10%	cross ± 10%
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	
120 ± 3%	1,8	1800 ± 400	30	13	7,2	3,2
180 ± 3%	1,8	1800 ± 400	100	45	9,8	4,9
250 ± 5%	1,7	1800 ± 400	230	100	-	-
360 ± 5%	1,7	1800 ± 400	600	300	-	-

### TECHNICAL FEATURES

Ref. standard/instrument  
unit of measure

Brightness (col. Gesso) - ISO 2470 (R457) - 94% ± 2  
Relative Humidity 50% ± 5  
ref. TAPPI 502-98



### ECOLOGICAL FEATURES

Given the considerable amount of recycled content within the product it is normal for there to be a slight variation in the shade from one making to the next, and occasional small residues from the recycling process. The product is completely biodegradable and recyclable. Special runs available upon request.

### NOTES

Envelopes available on stock.

UNI EN ISO 9001:2015 - CQ 539  
UNI EN ISO 14001:2015 - CQ 7847  
UNI EN ISO 45001:2018 - CQ 26471

PRODUCT DATA SHEET  
WDS/289  
Update 06/2021  
Rev. n° 08

# MATERICA

Materica is ideal for coordinated graphic materials, covers, inserts, brochures, portfolios and converting products.

## 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.

## 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.

## CONVERTING SUGGESTIONS

Good results with major processing operations such as: cutting, die-cutting, scoring, folding and glueing.

For packaging or in book publishing, we recommend to ensure the directions of the fibres runs in parallel with the main folds.

