FEDRIGONI
PAPER

CONSTELLATION JADE

DESCRIPTION

Woodfree papers and boards, certify FSC®, made with E.C.F. pulp. One side coated with special pearly-effect pigments and then off-machine embossed. High strength. Substances 215 gsm and 300 gsm are wet laminated in the formation stage. Available in “Satin” version and with fourteen different embossing patterns.

RANGE

SIZE	GRAIN	SUBSTANCE
70X100	LG	90 115 215 300 350

TECHNICAL FEATURES

SUBSTANCE	VSA*	TABER STIFFNESS 15°*		TENSILE STRENGTH*	
ISO 536	ISO 534	ISO 2493		ISO 1924	
g/m²	cm³/g	mN		kN/m	
		long ± 10%	cross ± 10%	long ± 10%	cross ± 10%
90 ± 3%	1,2 ± 0,1	6,5	3	5,2	3,6
115 ± 3%	1,2 ± 0,1	20	10	7,8	3,9
215 ± 4%	1,2 ± 0,1	120	70	11,7	7,2
300 ± 5%	1,2 ± 0,1	285	110	17	9,8
350 ± 5%	1,3 ± 0,1	480	180	-	-

ref. standard/instrument unit of measure

Relative Humidity 50% ± 5
ref. TAPPI 502-98
* Before the embossed

ECOLOGICAL FEATURES

MIX Paper from responsible sources FSC® C015523
ELEMENTAL CHLORINE FREE GUARANTEED
ACID FREE
LONG ISO 9706 LIFE
HEAVY METAL ABSENCE CE 94/62

NOTES

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

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

PRODUCT DATA SHEET
CST/149
Update 03/2016
Rev. n° 07

CONSTELLATION JADE

APPLICATIONS

Constellation Jade is ideal for greeting cards and announcements, menus, packaging, coordinated graphic materials, covers, inserts and de luxe brochures. The 90 g/m² version is particularly suitable for lining and labels (not wet strength).

PRINTING SUGGESTIONS

Can be used with all the main printing techniques: letterpress, offset, blind embossing, hot foil stamping, thermography and screen printing. The surface has a low micro porosity, so ink drying cannot happen by absorption. It is therefore necessary to use oxidative drying inks or made for plastics surface. Excellent results have been obtained with UV inks and in web-offset with heat-set inks. The ink bond, once dry, is very good. It is particularly important to check other print variables, particularly the fountain solution, which must be kept to minimum levels to ensure a correct balance between ink and water. We recommend a pH of 5-5.5 with conductivity 800-1200 µS. Additives may be useful in small quantities to accelerate the polymerisation process of the ink. Anti-setoff spray powder can help, and paper stacks should be kept small. Varnishes should be tested before using to guarantee the effectiveness. Drying times will depend on the ink load, and from the variables of the process, but they can vary from about 8 hours to more than 24 hours. Good results have been obtained using UCR (Under Colour Removal), GCR (Grey Component Replacement) to reduce the ink coverage on the paper. For screen-process we suggest to use inks for plastics.

CONVERTING SUGGESTIONS

Varnishing and plastic laminating must be assessed in advance. For hot foil stamping or blind embossing applications, would be a good procedure to adjust the pressure correctly to ensure definitive and complete impression; we recommend foils for plastic media. The surface roughness typical of embossed 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.