



# CARVING ICE

## 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. Available in three different embossing patterns.

## range

size      grain      substance  
70x100   LG      90   215

## technical features

ref. standard/instrument  
unit of measure

substance	VSA*	Taber stiffness 15°*		tensile strength*	
ISO 536	ISO 534	ISO 2493		ISO 1924	
g/m <sup>2</sup>	cm <sup>3</sup> /g	mN		kN/m	
		long±10%	trasv±10%	long±10%	trasv±10%
90 ± 3%	1,2 ± 0,1	6,5	3	5,2	3,2
215 ± 5%	1,2 ± 0,1	120	70	11,7	7,2

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

## ecological features



ELEMENTAL  
CHLORINE  
**FREE**  
GUARANTEED



The mark of responsible forestry

## notes

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

Fabriano is a trademark of Fedrigoni SpA  
The Company reserves the right to modify the technological features of the product in relation to market requirements.

Carving Ice is ideal for coordinated graphic materials, covers, inserts and de luxe brochures. The 90 g/m<sup>2</sup> version is particularly suitable for lining.

applications

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.

printing  
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.

converting  
suggestions