SIRIO PEARL EMBOSS

description

One side embossed papers and boards, certify FSC, made with E.C.F. pulp. Treated on both sides with a pearlescent finish. Pulp-dyed with light-fast colours. In substance 110 g the perlescent finish is available only on embossed side. Available in four shades and three embossing patterns.

range

size	grain	substance	
72x102	LG	110	300

technical features
ref. standard/instrument
unit of measure

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%
110 ± 3%	1,15	13	6	7,8	4,5
300 ± 5%	1,1	230	110	17,6	10,4

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

ecological features

FSC
www.fsc.org
FSC® C015523
The mark of responsible forestry

ELEMENTAL CHLORINE FREE GUARANTEED

ACID FREE

LONG-LIFE ∞ ISO 9706

HEAVY METAL HM ABSENCE CE 94/62

notes

The suggestions given on the next page come from research carried out with a number of printers that have used Sirio Pearl Embossed very satisfactorily. This is supported by R&D with ink manufacturers and finishing equipment suppliers. The product is completely bio-degradable and recyclable. Special runs available upon request.

UNI EN ISO 9001:2008 - CQ 539
UNI EN ISO 14001:2004 - CQ 7847
BSI - OHSAS 18007:2007 - CQ 15229

FEDRIGONI

Product Data Sheet SIR/2R3
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Sirio Pearl Emboss is a collection of papers that are suitable for many applications. Excellent for packaging, coordinated graphic materials, covers, inserts, lining and de luxe brochures - wherever the need is to show a technical emphasis, a modern style and futuristic design.

Can be used with the main printing systems: letterpress, offset, blind embossing, hot-foil stamping, thermographic and screen printing. The surface has no porosity, so that inks do not dry through absorption into the media. Polymerisation in offset printing from the sheet takes place by means of oxidation, so that inks for plastics should be used.Excellent results have been achieved with U.V. inks and in web offset printing with Heat Set inks. The anchorage of the ink, once dry, is very good. It is also particularly important to check the other process variables, especially the fountain solution, which must be dosed at minimum levels to ensure that emulsioning is kept within modest levels. We recommend a buffered pH of 5÷5,5 with 800÷1200 µS conductivity. It may be appropriate to add small quantities of additives to the fountain solution and/or the ink to accelerate the ink polymerisation process. Anti-setoff spray powder is useful and low output stacks are necessary; we advise against the use of varnish online if used to avoid setoff. Drying times depend on the quantity of ink and process variables and may vary from 8-10 hours to more than 24 hours. In this regard, good results are obtained with UCR and GCR grading to reduce the mass of ink deposited on the paper. In screen-printing, and even hot foil stamping, we recommend inks for plastic-finished surfaces. The characteristic embossing requires specific printing pressure settings. For hot foil stamping reproductions, only for Coal Mine colour, in specific hygrometric conditions, or using unsuitable foils it can arise problems like oxidation or speckled printing, especially using colors like Golden, Silver or Metallic. It is recommended the consultation with your foil providers. In order to give total solution to this problem it is necessary to isolate the film for hot stamping printing from the paper: it can be done either with a plastic coated surface, a double hot stamping printing (making sure to use a white or transparent film before the printing metal band), or with a printing water-based or solvent varnish.

Good results with major processing operations such as: cutting, die-cutting, scoring, folding and glueing, varnishing and bonding. 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. For the correct choice of adhesive, it is advisable to carry out specific testing with the supplier.

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