

FEDRIGONI

SELF-ADHESIVES

CONSTELLATION JADE

BELONGS TO THE FEDRIGONI SELF ADHESIVE EXCLUSIVE OFFSET SHEET COLLECTION

Wood-free paper with a special pearlescent finishing, one side off-machine embossed E33 Raster. FSC® certified, made with ECF pulp.

SUBSTANCE	THICKNESS	TABER STIFFNESS 15°*		TENSILE STRENGTH*	
		long ± 10%	cross ± 10%	long ± 10%	cross ± 10%
ISO 536	ISO 536	ISO 2493		ISO 1924	
g/m ²	µm	mN		kN/m	
90±3%	108	6,5	3	5,2	3,6

Acrylic permanent adhesive with special anti bleeding and thermal shock resistance properties. Approved for UNI EN 71 "toys security" norms.

ADHESIVE TYPE	TACK	MIN. COHESION	APPLICATION TEMPERATURE	MIN. SERVICE TEMPERATURE	MAX. SERVICE TEMPERATURE
	N/inch	hours	°C	°C	°C
PERMANENT	> 9 - SUPERTACK	> 9	+ 5	- 10	+ 80

One side siliconised clay coated White Kraft. The liner could be with or without cracking on the back (distance of 33mm+/-2mm).

SUBSTANCE	THICKNESS	OPACITY	TENSILE STRENGTH	
			long	cross
ISO 536	ISO 536	ISO 2471	ISO 1924	
g/m ²	µm	%	N/15mm	
82	85	84	70	40



Special runs available upon request.

FACE MATERIAL

TECHNICAL FEATURES

standard/instrument
typical values
unit of measure

*Before the embossed

ADHESIVE

TECHNICAL FEATURES

standard/instrument
typical values
unit of measure

LINER

TECHNICAL FEATURES

standard/instrument
typical values
unit of measure

ECOLOGICAL FEATURES

NOTES

CONSTELLATION JADE

Constellation Jade is a common used self-adhesive product, designed for high quality labels, especially in the wine-making industry. Testing the final application of the self adhesive product on the selected substrate in the conditions of it's final use is always recommend prior to use. For this purpose, samples sheets can be offered upon request. Testing the suitability between media, printers and inks is always recommended prior to use.

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 μ S. 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. The characteristic embossing and the presence of adhesive requires specific printing pressure settings. The self-adhesive product requires stable temperature and relative humidity conditions (20-22 °C and 50-55% U.R); for a good storage we suggest to pile the sheets (on pallet) at a maximum height of 1 meter and do not stack pallets. If it is necessary to cut the sheets for the printing, we suggest to use a very sharp guillotine blade with an angle next to 20°, cutting piles of a maximum heigh of 30 mm at a time, and using the lowest pressure possible in order to prevent adhesive bleed.

GENERAL INFORMATION

The shelf-life of a self-adhesive product is closely related, besides to storage conditions, to the nature of the adhesives and of the front materials used. At recommended storage conditions, the shelf-life is guaranteed for 2 years.

SHELF LIFE

The Company reserves the right to modify the technological features of the product in relation to market requirements. Information on physico-chemical characteristics and values in this document are based upon tests we believe to be reliable and do not constitute a warranty. They are intended only as a source of information and are given without guarantee and do not constitute a warranty. Purchasers should independently determine, prior to use, the suitability of this material to their specific use. All technical data are subject to change. All Fedrigoni products are sold subject to terms and conditions of sale. For more information, contact your Fedrigoni sales representative. In case of any ambiguities or differences between the English and foreign versions of this document, the English version shall be prevailing and leading.

