



ADHOC CONSTELLATION JADE

range size grain total substance
50x70 LG 192

face material Woodfree papers certify FSC, made with E.C.F. pulp. One side coated with special pearly-effect pigments and then off-machine embossed. Particularly strength, off-machine embossed with wet-strength treatment. Available in Raster pattern.

technical features
standard/instrument
unit of measure

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

* Before the embossed

adhesive Modified acrylic adhesive in water-based emulsion. Adhesive suited to a wide range of applications, featuring high tack and adhesion values as well as good processing properties. Approved for indirect foodcontacts and corresponding to UNI EN 71 “toys security” norms.

technical features
unit of measure

tack	minimum cohesion	application temperature	minimum service temperature	maximum service temperature	
g/25 mm	hours	°C	°C	°C	
SUPERTACK	1200	3	+ 5	- 10	+ 80

backing material Single glazed and monosilicone coated white papers. Only available in box version, without crack-back.

technical features
standard/instrument
unit of measure

substance	thickness	opacity	tensile strength	
ISO 536	ISO 536	ISO 2471	ISO 1924	
g/m ²	µm	%	N/15 mm	
			long	cross
85	92	84	70	40

notes Special runs for sizes and/or other adhesives available upon request.

The Company reserves the right to modify the technological features of the product in relation to market requirements.

Adhoc Constellation Jade is a common used self-adhesive product, designed for high quality labels, especially in the wine-making industry.

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.

general
informations

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 height of 30 mm at a time, and using the lowest pressure possible in order to prevent adhesive bleed.

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 18 months.

shelf life