

ALGA CARTA



PRODUCT DESCRIPTION

ALGA CARTA is the paper created from seaweeds that, by its abnormal proliferation, was damaging the fragile ecosystem of the Venice Lagoon. Favini patented the production process capable of using seaweeds to produce ecological paper according to the principles of circular economy.

Even today, the same method is used for the creative reuse (upcycling) of overabundant seaweeds from marine environments in other parts of the world.

The printing and converting ability of Alga Carta makes it ideal for any creative, publishing and packaging project. The seaweed particles are visible on the surface to give a unique natural look.

Alga Carta is recyclable, biodegradable, FSC™ certified and made using EKOenergy, the renewable energy self-produced in our hydroelectric plant. Furthermore, the unavoidable residual emissions have been zeroed.

TECHNICAL DATA	METHOD		+/-	90 g/m ²	120 g/m ²	160 g/m ²	200 g/m ²	250 g/m ²	300 g/m ²	350 g/m ²
BASIC WEIGHT	ISO 536	g/m ²	5%	90	120	160	200	250	300	350
CALIPER	ISO 534	µm	5%	108	140	178	215	268	322	385
BULK	ISO 534	cm ² /g	-	1,20	1,17	1,11	1,08	1,07	1,07	1,10
CIE WHITENESS*	ISO 11475	%	3	122	122	122	122	122	122	122
ROUGHNESS (BENDTSEN)	ISO 8791-2	ml/min	50	220	220	220	220	220	220	220
OPACITY	ISO 2471	%	-	>91	>95	-	-	-	-	-
MOISTURE CONTENT	ISO 287	%	1,0	6,3	6,5	6,7	6,9	7,0	7,0	7,0

* Refers to Natural shade.

NB. At times slight differences may occur in paper shade and look as a result of the use of natural raw materials.

Special makings are available upon request.



PRINTING AND FINISHING RECCOMENDATIONS

- INKS** ■ To ensure good drying, Alga Carta should be printed with fresh or semi-fresh inks, preferably new and undiluted. The drying process can be slightly accelerated by adding extra desiccant.
- BLANKETS** ■ For a good graphic impression, use compressible blankets.
- SCREENS** ■ For the offset printing process a screen value of 150 lpi is recommended. For dry offset printing this can be slightly higher, for example 200 lpi.
- DRYING TIME** ■ Allow 24 hours drying time after printing. For heavier graphic elements and higher densities, sufficient powder should be applied.
- FINISHING** ■ Prescoring is recommended for board weights and when folding against the grain direction.
- PRINTABILITY AND RUNNABILITY** ■ Every method of printing, embossing, punching, die cutting, creasing, laminating and UV varnishing is possible.
- NOTE** ■ Due to its hygroscopic nature, paper can show curl issues if not conditioned properly. To avoid any issue, we recommend to store the paper closed in its original wrap inside the printing area for at least 24-48 hours. After this conditioning time, the wrapping can be open and the paper can be utilized.

> Please contact our technical department for further suggestions.

MILL ACCREDITATION | Rossano Veneto VI - Italy

CORPORATE QUALITY MANAGEMENT STANDARD | UNI EN ISO 9001

ENVIRONMENTAL MANAGEMENT STANDARD | UNI EN ISO 14001

OCCUPATIONAL HEALTH AND SAFETY MANAGEMENT STANDARD | UNI EN ISO 45001

ECO-MANAGEMENT AND AUDIT SCHEME CE 1221/2009 | EMAS

We care about the environment: www.favini.com/en/sustainability