alpha®

As genius as nature

Compostable tableware made of organic fiber coated with a mineral coating

alpha®

Alpha® is the new generation of single-use tableware: home compostable, plastic-free, and PFAS-free. Made of organic fiber coated with Qwarzo®, it guarantees high technical performance and total food safety. A sustainable, concrete choice ready for the future.

Cups

Plates

Products made by us

The **Alpha®** range is produced in our facilities in **Italy**, **France**, and the **United Kingdom**, ensuring high quality standards, food safety, and full supply chain control.

Cutlery

Values

Biobased & Plastic Free

Alpha® products are made exclusively from **natural raw materials**. The technology that bonds paper with the mineral coating Qwarzo® completely replaces traditional plastic coatings, such as PE and dispersion coating. The result is a **plastic-free product compliant with the European SUP** directive, without compromising performance and sustainability.

PEFC
PEFC/18-31-1303

PEFC Certified

The paper used is **PEFC** certified, an international standard that ensures the sustainable management of forests. It guarantees that the cellulose comes from responsible sources, respecting the environment and local communities. Thanks to **full traceability**, the origin of the material can be verified throughout the entire supply chain.

Biodegradable and Compostable

The mineral coating based on silica, naturally occurring, is inert and does not affect the compostability of the cellulose. For this reason, Alpha® products are **certified compostable**, both for industrial **composting and home composting.**

Recyclable with Paper

Alpha® products have obtained **Aticelca A** and **A+** certification, with **recyclability over 90%** in standard paper collection processes. **Aticelca** is the association that evaluates the recyclability of cellulose-based materials according to a nationally recognized method, confirming the excellent compatibility of the range with recycling plants.

PFAS Free

Alpha® products are completely **free of PFAS**, fluorinated chemicals used in many pulp items to increase liquid resistance.
PFAS are persistent molecules that tend to accumulate in the environment, with harmful effects on the ecosystem.

Performance

Mechanical Resistance

Alpha® food containers are designed to offer **maximum strength and stability**. The high thickness of the cardboard, combined with the effectiveness of the mineral coating, enhances mechanical performance and makes the products ideal for every type of food, including complex dishes rich in sauces, such as steaks or lasagna.

Hydrophobicity

The liquid resistance was measured using the COBB test, which evaluates water absorption over a defined period. Alpha® products show **performance comparable to plastic**, the most water-repellent material used in packaging.

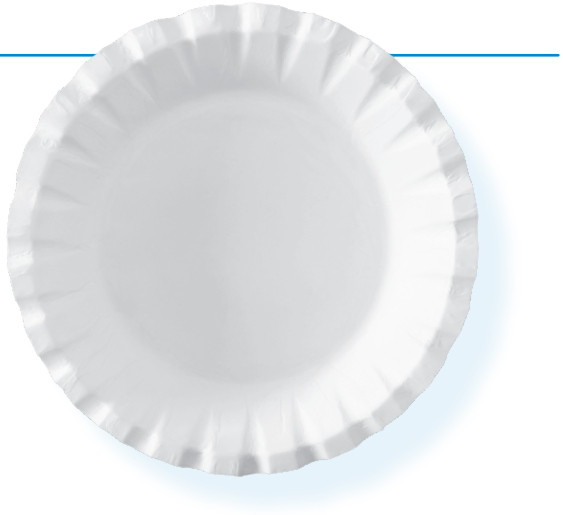
Thermal Resistance

Alpha® products are suitable for **use with both hot and cold foods**. They can be used in conventional ovens and microwaves, delivering reliable performance even during heating.

Safety

The material used for the Alpha® line is **inert, safe, and compliant with international standards** for food contact.
Each production batch undergoes strict quality controls to ensure maximum reliability.

Plates



A new plate that is **easily recyclable** with paper or compostable with household organic waste, offering the convenience of quality single-use tableware, made entirely from natural sources
and guaranteed by a controlled supply chain.

Its **distinctive design** features deep ridges along the rim, providing **rigidity** and **strength** — ideal for use even with steaks and lasagna.

Grease resistance test

The grease resistance test conducted on the plates is used to determine the surface's level of resistance to grease, in accordance with ISO 16532-2:2007.

The result of the test is expressed by the KIT RATING, a value obtained using various test solutions applied with a dropper to the surface.
The higher the kit rating, the greater the level of grease resistance.

Treated paper plate 350
(2300507-001)

KIT RATING : 7±3

Flat plate in traditional pulp
(2300502-002)

KIT RATING < 1

The results show that **Alpha® plates have, on average, 7 times greater grease resistance** compared to traditional pulp plates.

Comparison table

	Alpha	Pulp	PFAS-Free pulp
CHARACTERISTICS			
Industrial Compostable	🟢	🔴	🟢
Home compostable	🟢	🔴	🔴
Recyclable with paper	🟢	🟢	🟢
PFAS Free	🟢	🔴	🟢
Resistance to grease	🟢	🟡	🟡
Resistance to liquids	🟢	🟢	🟡
TERMS OF USE			
Food temperature	Max. 100°C	Max. 100°C	Max. 60°C
Oven	Max. 150°C x 20 min.	Max. 100°C x 20 min.	Max. 100°C x 20 min.
Microwave	Max. 800W x 5min.	Max. 800W x 2 min.	Max. 500W x 1 min.

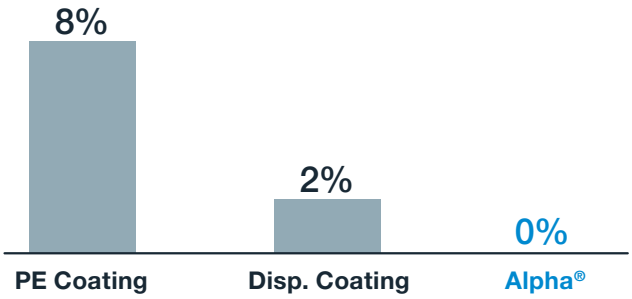
Cups

Designed for a demanding market that requires the highest sustainability solutions without compromising top quality. Alpha cups have been designed in sizes ranging from 3oz to 16oz, dedicated both to the HoReCa sector and the more technical vending industry.

Compliant with the SUP Directive

The cups of the **Alpha®** line are free of plastic coatings, in compliance with the **SUP** Directive, which aims to reduce the presence of plastic cups on the market. Consequently, Alpha cups are not subject to the marking requirement indicating the presence of plastic.

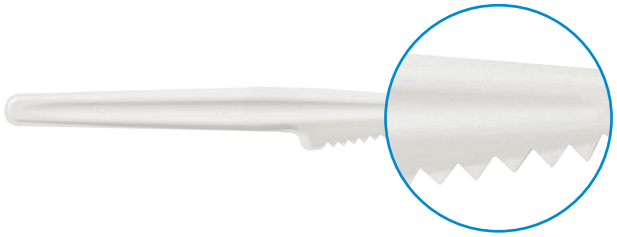
Plastic content



Cutlery

The range is completed by cutlery and stirring sticks.

Alpha® cutlery is designed to ensure high rigidity and strength. Deep ribs along their entire structure guarantee excellent performance even with foods of high consistency. The thick cardboard, coated with Qwarzo®, provides extra durability, making them suitable for cutting any type of food, such as steaks and aged cheeses.



The **stirring sticks** are available both in the vending version, designed to be loaded directly into vending machines, and in the Retail and HoReCa version, individually wrapped. They are also suitable for hot beverages.

FLO®

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