

Absorbing by innovating



Magic develops and produces absorbent materials for food packaging, medical, hygienic and personal care industry: innovative and sustainable products.

Our innovative contribution to the industry



Spongel | 100% biodegradable SAP

It is used in the food packaging industry and for hygiene and personal care products. It is made of biodegradable raw materials and additives.



Airgel g-grade | compostable airlaid

High absorption compostable airlaid. It doesn't contain any chemical additives, while ensuring high absorbing performances.



G-pad | compostable absorbent pad

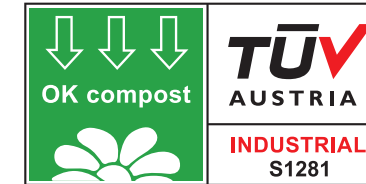
The compostable absorbent food pad that at the end of its lifecycle can be disposed with household waste for industrial composting.

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Airgel

-grade
COMPOSTABLE AIRLAID



High absorption compostable airlaid





We transform raw materials into innovation

From Magic commitment in innovation comes Airgel g-grade, a biodegradable and compostable airlaid that, unlike the others on the market is chemical free, while ensuring the same absorption performance levels.

The new super absorbent core is composed of cellulose and contains Spongel, Magic patented super absorbent biodegradable and compostable powder.

How innovation was born

In 2015 a university study showed the chance of producing a super absorbent powder without chemical additives.

Magic believed in the project and in a few years tested and implemented a process and a production plant.



Ultimate performance and many benefits

- ✓ Airgel g-grade absorbs more than 20 times its weight.
- ✓ A cellulose pad absorbing 4000 g/sqm of saline solution weighs approximately 300 g/sqm, while Airgel g-grade reaches the same absorption peak in just 180 g/sqm.
- ✓ Airgel reaches retention levels 15/20% higher than SAF based products and 30% higher than cellulose ones.
- ✓ It is much lighter than cellulose pads, therefore with considerable advantages in terms of production, logistics and environment.
- ✓ Airgel is much more ecological compared to SAF and SAP based materials, because it is chemical free.
- ✓ It offers a great value for money.

Other applications



Agriculture



Floriculture



Logistics



Home and industrial hygiene and cleaning



Management of bio-waste



Construction and civil engineering

Airgel g-grade, a solution coming from Spongel formula



Main applications



Food packaging pads

Compostable absorbing pads inspired and conceived according to the principles of the circular economy, so that at the end of their lifecycle they can be disposed with household organic waste for industrial composting.



Medical and hygiene products

To produce increasingly environmentally friendly and sustainable materials in both industries. High absorption and retention capacity under load; constant absorption over time and therefore more suitable to the application needs.



Absorption capacities:

800 gr/sqm

1800 gr/sqm

3600 gr/sqm

Customized absorption capacities on request

