



TECHNICAL FOAMS
FOR PACKAGING

ZFoam | PACKAGING

ZFoam²⁵ YEARS

More than **25 years**
exporting to over 25
countries in Europe
and America.

We provide **tailor-made solutions** and **technical support** according to our customers' needs.

Our equipment covers all the specialised conversion processes of **plastic foams** and low and high temperature **insulations**.

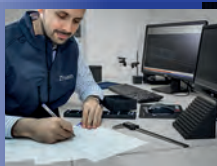
The semi-conversion and final conversion processes are vertically integrated, so we can offer a **complete service from the raw material to the end product**, including the choice of the most suitable materials and design process.

FINAL CONVERSION PROCESSES AVAILABLE:

- ✓ Cutting systems by water jet in 2D and 3D.
- ✓ Other CNC cutting systems and die-cutting.
- ✓ 2D and 3D routing.
- ✓ Surface finishes with paper, fabric...
- ✓ Thermoforming.
- ✓ Adhesive coating.
- ✓ Digital printing and laser engraving.

Advantages:

- ✓ Fast reaction capacity and **flexibility**.
- ✓ In-depth **knowledge** of the product and technical solutions.
- ✓ **Fast prototyping** capacity.
- ✓ **Own technology** and technical development.
- ✓ We have the latest **transformation technologies** available on the market.



ZFoam has the **highest processing capacity**
in the foam conversion market in Southern Europe.



MATERIALS

AZOTE FOAMS

PLASTAZOTE® EVAZOTE® SUPAZOTE®

High purity crosslinked polyolefin foams, manufactured using a unique process of high pressure nitrogen injection.

- ✓ Does not contain chemical foaming residues or CFC, HCFC or VOC (volatile organic compounds).
- ✓ Special grades with flame retardant additives (FR and FM) and antistatic and conductive products (SD and CN).
- ✓ Odourless, non-toxic, inert foams. They comply with the FDA regulation and with the European "Food contact" regulation.

PLASTAZOTE®

LDPE / HDPE / Metallocene-based foams.

EVAZOTE®

EVA copolymer based foams with greater flexibility and resistance than PLASTAZOTE®. Extensive range of available colours.

LJ- EVJ FOAMS

Closed cell polyolefin foams.

- ✓ Extremely fine microcellular structure.
- ✓ Extensive range of available colours and deep black.



SURFACE FINISHES

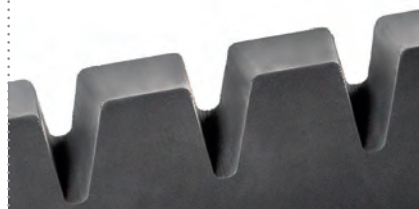
- ✓ Velvet.
- ✓ Gloss/matt.
- ✓ Fabric and cardboard lamination.
- ✓ Laser engraving.
- ✓ Digital printing.
- ✓ Fringed.



PE FOAMS

Chemically expanded crosslinked polyolefin foams.

- ✓ Density from 25 to 250 Kg/m³.
- ✓ LDPE / HDPE / EVA based variants.



PEVA FOAMS

High density foams based on EVA.

- ✓ Extensive range of available colours and customisation possibility.
- ✓ Option of sandwich-type laminate on polyethylene foams.



PU FOAMS

Ether and ester based polyurethane foams.

- ✓ Special grades with flame-retardant additives and antistatic products.



PNR FOAMS

Pressurised gas expanded non crosslinked polyethylene foams.

- ✓ Densities between 20 and 150 Kg /m³.
- ✓ Antistatic grades.
- ✓ Ideal foam for non-returnable packaging.



PRESENTATION PACKAGING

- ✓ Perfumes, cosmetics and parapharmacy.
- ✓ Promotional packs.
- ✓ Wine, champagnes, liqueurs and gourmet products.

- ✓ Jewellery and watches.
- ✓ Gift items.
- ✓ POS.
- ✓ Boxes for special and limited editions.

- ✓ **Customisation:**
 - Surface finishes and textures.
 - Extensive colour range.
 - Cardboard and fabric lamination.
 - Laser engraving.
 - Digital printing.
- ✓ Dual **presentation and impact-protection** function.
- ✓ **Odourless, pure and environmentally friendly** foams.



COMMERCIAL BOXES

- ✓ Insert for sales sample cases.
- ✓ Supports for POS.
- ✓ Window-dressing.

- ✓ **Tailored surface finish:**
 - Laser engraving.
 - Digital printing.
 - Cards.
 - Textures.
- ✓ **Reinforced outer layer.**
- ✓ **Bevel cuts** for greater visibility.



INTERIORS OF SUITCASES AND BRIEFCASES

- ✓ Medical and pharmaceutical equipment.
- ✓ Photography, audio and video equipment.
- ✓ Tool packs for technical service.
- ✓ Leisure.
- ✓ Security and defence.



- ✓ Tailored production for **prototypes and small series**.
- ✓ **VOC** (volatile organic compound) **free foams** that do not contaminate the content.
- ✓ **Customisation:** colours, laser engraving, digital printing.
- ✓ Combination of **different densities and hardnesses**.
- ✓ Versions for **electrostatic discharge protection** (SD, CN).

LOGISTICS AND TRANSPORTATION

- ✓ Flight cases.
- ✓ Large containers for sectors such as defence and safety.
- ✓ Returnable containers for automotive and appliances sectors.



- ✓ Foams for **class A surface protection** and with low abrasion degree, suitable for plastic and painted surfaces.
- ✓ Special improved **durability grades** that multiply the container working life.
- ✓ Possibility of **surface reinforcement**.
- ✓ **Foam parts and racks** that adapt to any type of product.
- ✓ **Lamination** with **special fabrics** such as Non Wovens, Tyvek®.
- ✓ **Self-adhesive** finish for improved assembly.
- ✓ **Tapes and protection pads** for angles, corners and tubes.

ARTWORKS, MUSEUMS AND LIBRARIES

- ✓ Special foams for temporary packaging and protection of artworks.
- ✓ Foams for protection during exhibition transfers and logistics.
- ✓ Support panels lining in museums, archives and libraries.



- ✓ **Plastazote® and Evazote®** are globally acknowledged for use in contact with **sculptures, paintings, books and codices**. Some users of these products are:
 - British Museum
 - Tate Gallery Britain
 - Palais du Louvre
 - El Prado Museum in Madrid
 - Guggenheim Museum in Bilbao
- ✓ **Plastazote® and Evazote®** do **not contain** any type of **chemical residue** that might affect or contaminate artworks.
- ✓ **Without VOC** (volatile organic compounds), or CFCs or HCFCs.
- ✓ They do **not** foster **bacterial growth** or absorb humidity.

ISOTHERMAL CONTAINERS AND FOOD PACKAGING

- ✓ Food product packaging (*direct contact*).
- ✓ Insulators in isothermal containers.
- ✓ Separators in food transport.
- ✓ Low conductivity isothermal covers.



- ✓ **High-purity** foams, VOC-free, suitable for food use.
- ✓ They satisfy the EU 10/2011 **European regulation** and the FDA **American regulation**.
- ✓ ZFoam is **registered in the Health Register** (RS) with no. 39.005538/Z for food contact packaging.

TOOL CONTROL INSERTS

- ✓ Roll cab inserts.
- ✓ Tool kits.
- ✓ Development and implementation of Lean and 5s Systems.
- ✓ Essential elements in FOD (*Foreign Object Debris*).
- ✓ Widespread use in aeronautical, aerospace, automotive and medical sectors.



- ✓ **Two-coloured trays** to easily identify tools as well as missing tools.
- ✓ **Tailored production** for all types of cabs.
- ✓ Possibility of **surface reinforcement** for greater durability.
- ✓ **Azote® foams** manufactured with injection of high purity nitrogen, with no chemical residues or ammonia that might affect the tools.
- ✓ Possibility of **sterilisation** for medical use.
- ✓ **Zotek® foams** that permit contact with aviation fuel and other fuels without deterioration.

ELECTRONICS AND COMPUTER EQUIPMENT

- ✓ Inserts for suitcases, briefcases and transport containers.
- ✓ Special foam for electrostatic discharge protection.
- ✓ Special grades for defence and security equipment.



- ✓ High-purity **Azote® foam** with no chemical residues.
- ✓ Conductive (CN) and antistatic (SD) grades with independent **atmospheric humidity** protection properties.
- ✓ Excellent **energy absorption and muffling**.
- ✓ Compliance with most demanding **military standards** (DEF STAN, RARDE, NATO).



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ZFoam forms part of the **GZ Group**



Commitment to innovation and quality

Continuous improvement philosophy for products and processes based on **ISO 9001 certification**, and on **Lean and 5S tools**.

Commitment to customers

Provide the best solutions by means of innovative competitive, high quality and environmentally respectful products.