



#### BiessSse Tape Solutions

The Tape division of the **BiessSse® group** specializes in the design and production of adhesive tapes for the global market, ideal for the most complex industrial applications.

Thanks to a deep knowledge of materials and the use of the most advanced production technologies, **BiessSse®** creates high-performance products, designed for industrial sectors with high tech and innovative content.

A team of specialized chemists works every day to develop customized adhesive tapes, with different degrees of adhesion, cohesion and wettability, to meet the specific needs of each customer.

The consolidated experience in the sector and the high technical expertise of the Research and Development team, combined with a wide range of supports, liners and adhesives, allow us to offer customized solutions, accompanying the customer in all phases: from design to development, up to experimentation and application.



Process innovation through:

### Tape solutions

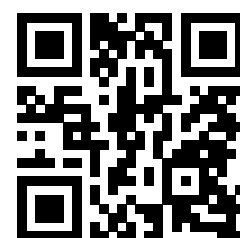
Highly performing technical adhesive tapes for the most challenging industrial applications

### Equipment solutions

Cutting-edge proprietary equipment for adhesive tapes applications

### Software solutions

Multiplatform, user-friendly software



[www.biesSseworld.com](http://www.biesSseworld.com)

MSFOAMBLUE EN 00\_04/25



## Cushioning Foams for Corrugated Post-Print



**BIESSSE  
MS FOAM SA BLUE**



**BIESSSE  
MS FOAM PET BLUE**



## The right solutions for demanding flexo printing requirements

Biesse MS FOAM is the complete solution for flexographic printing on corrugated cardboard. The **MS FOAM** is a compressible base ideal for high-quality corrugated post-print. Thanks to its **Polyethylene (PE)** foam, it offers equivalent or superior printing performance compared to **Polyurethane (PU)** products at a more competitive price. The closed-cell polyethylene foam backing provides high resistance and resilience, optimising the print process and quality. It enables the use of thinner plates, reduces cardboard crush and vibration absorption even at high printing speeds and minimises “dot gain” and “washboard effect.” The **MS FOAM** range is available in two versions with different thicknesses: the Self-Adhesive foam with paper liner, **MS FOAM SA**, and the ready-to-use solution, **MS FOAM PET** polyester film laminated foam.



MS FOAM SA BLUE



MS FOAM PET BLUE

### Why choose MS FOAM

- **Unrivalled value** offers the same print quality as PU products but at a significantly lower cost.
- **Lower weight, which makes it easier to handle**  
The lower density of MS FOAM, compared to PU products, makes it lighter and easier to handle.
- **Vibration dampening**  
Thanks to its resilience, even at high printing speeds, it maintains the stability of the matrix and improves its performance.
- **Reduce “dot gain” and “washboard effect”**  
Avoid cardboard crush, reducing the washboard effect that is commonly observed on corrugated printing.
- **Reduce costs in terms of material and process:** It allows the use of thinner thickness plates, reducing cliché costs and thanks to the faster printing speed it allows higher productivity and less waste.

### MS FOAM Usage and Benefits

- **Cost-effective** compared to competing **Polyurethane** products.
- **Higher printing speed** and **associated savings in production time.**
- **Reduction in cliché costs**, thanks to the possibility of using matrices of lower thickness.
- **With Semi-transparency**, the semi-transparent features allow registration marks to be seen through the material.

**MS FOAM** is the perfect solution for those looking for **high performance and perfect handling**. It is designed for companies that want to **print better and quickly, optimizing costs**.

### Benefits of the MS FOAM for printing:

- Satin engraving and the latest micro-mapping on low thicknesses improve ink transport and image definition, compensating for many cover imperfections, such as porosity, wave patterns and warping. These printing technologies mean that **the use of cushioning becomes essential to reduce crushing and mechanical vibrations**.
- Thanks to the **cushioning foam**, it is possible to use the latest generation printing plate with reduced thickness, guaranteeing flexo printers high print quality on both matt and glossy supports, reducing the typical imperfections of cardboard to a minimum
- **The use of cushioning foam tapes**, with a low thickness plate responds to the needs of customers looking for margins and therefore to increase productivity. Furthermore, using MS FOAM reduces downtime, waste, and more.
- **Contribution to sustainability.** Low thickness printing matrices have a significantly lower environmental impact than those of greater thickness. With MS FOAM, you also get a saving of material, solvents and energy in the engraving process, as well as a reduction in weight, facilitating handling and improving the working conditions of the operators.

### Range and formats

- In addition to the possibility of ordering MS FOAM made to measure, suitable for every need, the available options are:
- The MS FOAM SA version, or Self-Adhesive, suitable for those who prefer to laminate Mylar® independently.
  - The MS FOAM PET version, for those who prefer to buy the product ready to use.

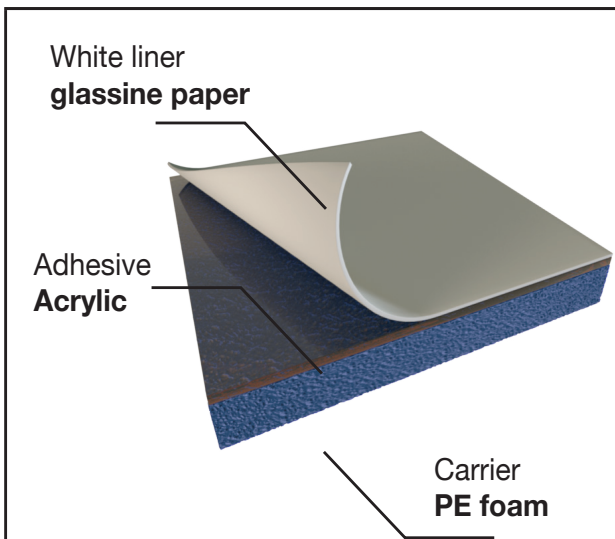


MS FOAM SA BLUE

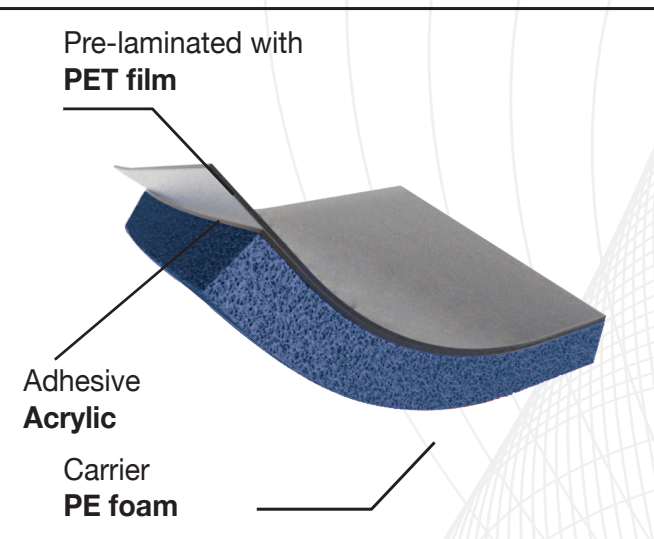


MS FOAM PET BLUE

MS FOAM SA BLUE



MS FOAM PET BLUE



Minimum guaranteed total thickness (foam+adhesive)	MS FOAM SA BLUE
1.10 mm (43 mils)	MS FOAM 1100 SA BLUE
1.70 mm (67 mils)	MS FOAM 1700 SA BLUE
2.10 mm (83 mils)	MS FOAM 2100 SA BLUE
2.60 mm (102 mils)	MS FOAM 2600 SA BLUE
3.85 mm (151 mils)	MS FOAM 4000 SA BLUE

Minimum guaranteed total thickness (foam+adhesive+PET)	MS FOAM PET BLUE
1.35 mm (53 mils)	MS FOAM 1100 PET BLUE
1.95 mm (77 mils)	MS FOAM 1700 PET BLUE
2.35 mm (92 mils)	MS FOAM 2100 PET BLUE
2.85 mm(112 mils)	MS FOAM 2600 PET BLUE
4.10 mm (161mils)	MS FOAM 4000 PET BLUE

PET film thickness: 0.25 mm (10 mils)  
upon request: 0.35 (14 mils)

### Flexibility in available sales formats

