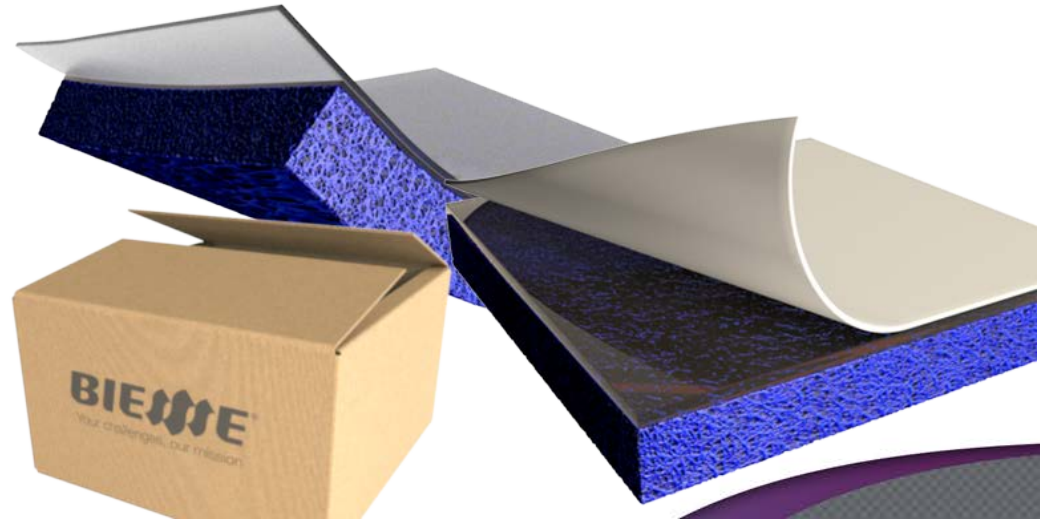


BIEFFE
MS FOAM

Cushioning foam for high-quality corrugated cardboard post-print



The answer to demanding flexo printing needs

Ever-increasing customer requirements and complex print jobs place high demands on today's flexographic printing.

Aware of the high-quality post-print requirements, BiesSse offers a complete product range for corrugated cardboard plate mounting.

In addition to our well-consolidated filmic and cloth adhesive tapes, BiesSse provides cushioning foam solutions for high-quality post-print process dedicated to repro-houses and printers.



The perfect tool for all high-quality post-print requirements

The MS FOAM is a **compressible base** ideal for high-quality corrugated cardboard post-print.

BiesSse offer a **solution-oriented range** which meets different customer requirements and most sophisticated printing needs.



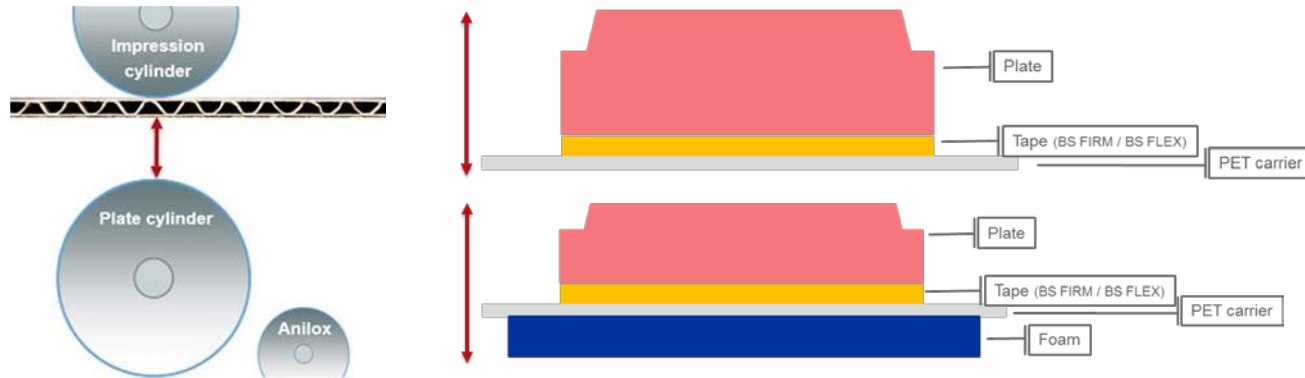
Why to use a cushioning foam

- To optimize print process and quality

The high-quality closed-cell polyethylene foam backing offers **high resistance and resilience**.

- To fill up undercut

It allows for the **reduction of the thickness of the printing plates**, ensures excellent cushioning and **press vibration absorption** even at high printing speed.

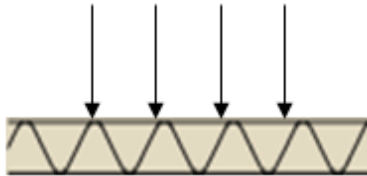


Why to use a cushioning foam

- To avoid cardboard crush

Even using a reduced plate thickness, the cushioning foam guarantees the higher compliance/softness essential not to damage the corrugated board.

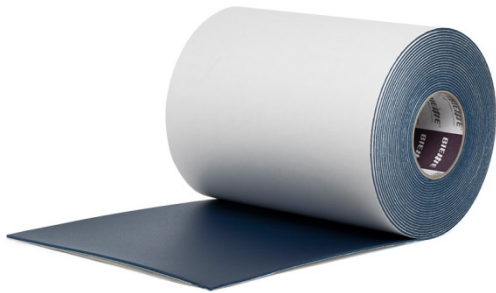
- To control dot gain and reduce the “washboard” effect



Do you handle your own lamination process
or do you use a pre-laminated compressible base?

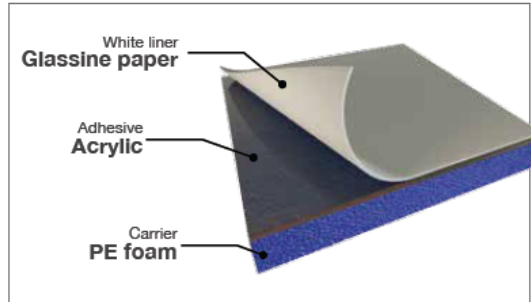
The BiesSse MS FOAM range is available in two versions with different thickness:

- MS FOAM SA: self-adhesive foam with paper liner
- MS FOAM PET: polyester film laminated foam

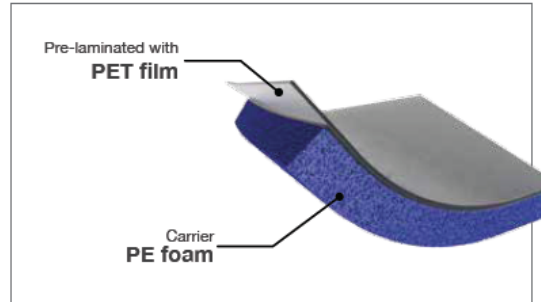


Range available

MS FOAM SA



MS FOAM PET

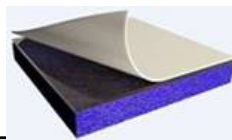
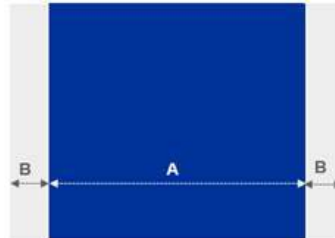
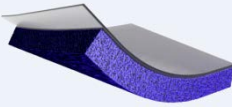


Foam thickness (mm) guaranteed minimum	MS FOAM SA
1.10	MS FOAM 1100 SA
1.70	MS FOAM 1700 SA
2.10	MS FOAM 2100 SA
2.60	MS FOAM 2600 SA

Foam thickness (mm) guaranteed minimum	MS FOAM PET
1.10	MS FOAM 1100 PET
1.70	MS FOAM 1700 PET
2.10	MS FOAM 2100 PET
2.60	MS FOAM 2600 PET

PET film thickness: 0.25 mm

Range available

PRODUCT		NOMINAL FOAM THICKNESS (mm)	MYLAR THICKNESS (mm)	FINISHED PRODUCT THICKNESS (mm)	WIDTH OF FINISHED PRODUCT (mm)			
					Foam			
	MS FOAM 1100 SA	1.2	no	(Min. 1.1 / Max. 1.3)	1380			
	MS FOAM 1700 SA	1.8	no	(Min. 1.7 / Max. 1.9)	1380			
	MS FOAM 2100 SA	2.25	no	(Min. 2.1 / Max. 2.4)	1380			
	MS FOAM 2600 SA	2.75	no	(Min. 2.6 / Max. 2.9)	1380			
					Foam	Mylar	Foam + Mylar	
	MS FOAM 1100 PET	1.2	0.25	(Min. 1.35 / Max. 1.55)	1280	1400	1280 mm (A) + 60 mm (B)/each part of Mylar	
	MS FOAM 1700 PET	1.8	0.25	(Min. 1.95/ Max. 2.15)	1280	1400	1280 mm (A) + 60 mm (B)/each part of Mylar	
	MS FOAM 2100 PET	2.25	0.25	(Min. 2.35 / Max. 2.65)	1280	1400	1280 mm (A) + 60 mm (B)/each part of Mylar	
	MS FOAM 2600 PET	2.75	0.25	(Min. 2.85/ Max. 3.15)	1280	1400	1280 mm (A) + 60 mm (B)/each part of Mylar	
			* 0.35 mm PET film thickness is available upon request					

BiesSse can offer various combination of foam thickness and PET film (0.25/0.35 mm) and alternative geometry of foam positioning. Base on your request our engineering department will be glad to send you a customized offer indicating technical details, lead-time and minimum order and manufacturing quantity.

Main features

- High quality closed cell PE foam
 - High foam stability of compression
 - Optimal resilience
 - Excellent cushioning
 - Best stress vibration absorption
 - Water and solvent resistance (more than a PU-foam)
 - 60% lighter compared to PU-foam
- State-of-art acrylic adhesive
 - Reliable adhesion during printing and storage



Benefits – increased performances

- **High print quality** due the combination of thinner plate and high quality foam also during long printing run
 - Reduced wash-boarding effect (higher ink density and higher ink coverage)
 - Perfect print-outs on the most varied flutes
 - No uncontrolled dot gain
 - Brilliant print image also with flat-top-dot and surface screening technologies
- **Non cardboard crush**



Benefits – competitiveness and cost savings

- **Reduced costs** by using thinner plates, in terms of material and process (time saving during plate making)
- **Ready-to-use solution when using the PET version** (one process step less during plate mounting)
- **Perfect handling**
 - Weight reduction due the thinner plate
 - Easy alignment thanks to the closed cell foam surface
 - Product setup for easy fixation of the edging strip

Product application

During the **pre-assembly** on the top of the PET film carrier (Mylar) the printing plate is mounted thanks to a soft or rigid double-sided tape (BS FLEX / BS FIRM), while on back side the foam is applied.

- MS FOAM SA: cut off the required foam size and remove the foam paper liner and adhere foam to the backside of the PET film carrier.
- MS FOAM PET: simply start mounting the printing plate on top of PET film carrier pre-laminated with foam. The PET film of this version is extended on one side, which facilitates easy fixation of plastic profiles when necessary.