



Your challenges, our mission

# Adhesive tapes and foams for flexographic plate mounting

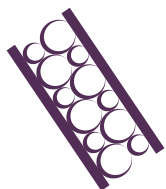
SAMPLE BOOK



**Soft**  
adhesive tapes

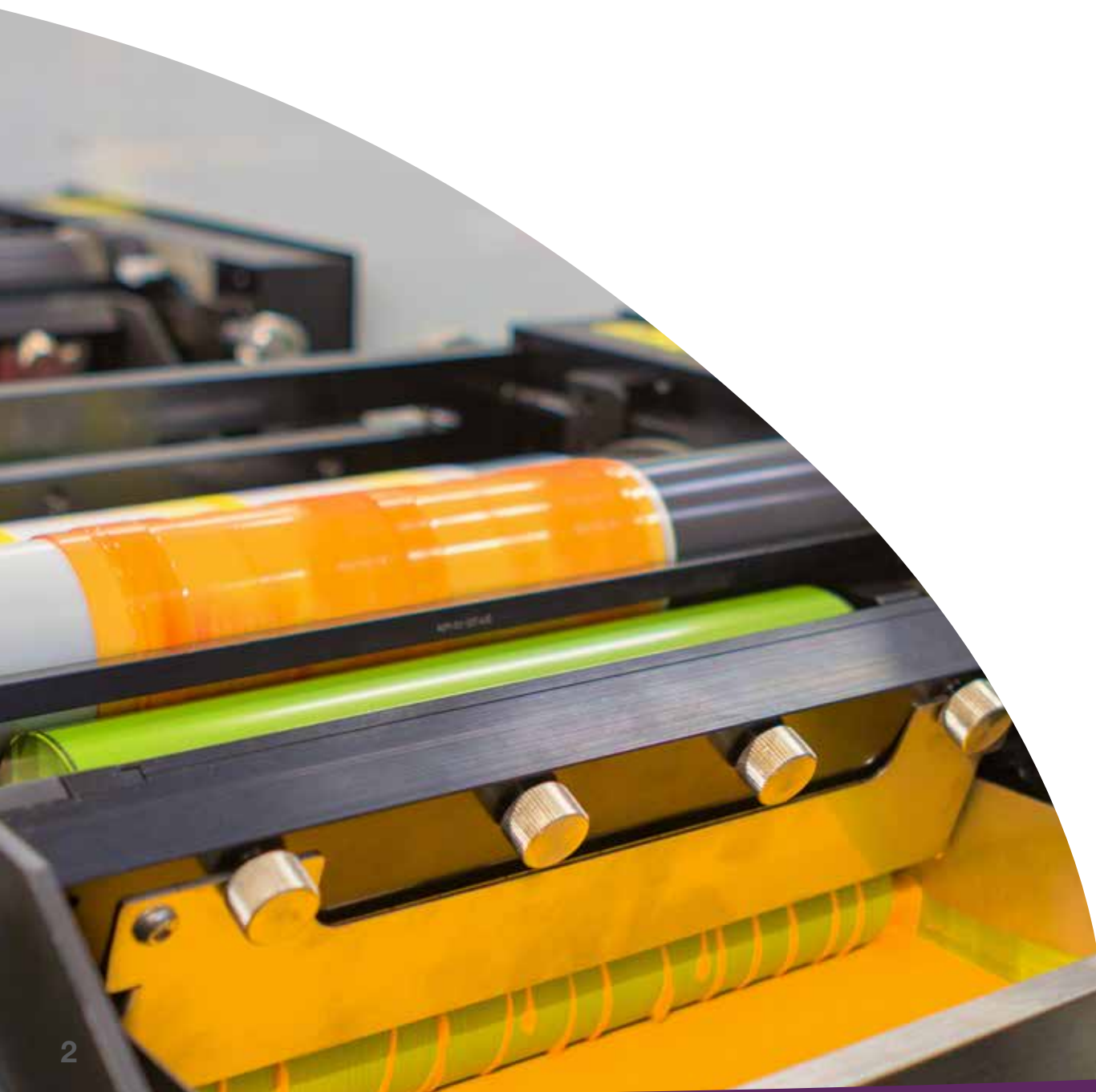


**Rigid**  
adhesive tapes



**Cushioning**  
foams





# Filmic and cloth adhesive tapes

## Soft tapes

The BiesSse® range of soft adhesive tapes offers competitive cost-print quality ratio. Thanks to their slightly more elastic structure, these tapes provide better printing performance than rigid adhesive tapes. They are characterised by a construction based on a soft carrier of various types and thickness combined with different adhesives and liners.

### BS GRAFIX

BS GRAFIX is characterised by a plastic film carrier and a natural rubber adhesive (wet style), with a balanced medium-high adhesion level on both sides. The application mainly refers to flexible packaging printing and corrugated cardboard pre-printing.

### BS FLEX

The BS FLEX series is characterised by its fabric carrier and natural rubber adhesive (wet style), with a balanced medium-high adhesion level on both sides. This series is mainly used for flexographic corrugated board post-printing.



## Rigid tapes

The BiesSse® range of rigid adhesive tapes, among the widest on the market, is ideal for mounting printing plates on polyester carriers for the post-print sector. It is suitable for different print jobs, such as label printing and flexible packaging printing.

### BS FIRM

The BiesSse® BS FIRM range meets all adhesion and thickness requirements. The defining tape features are characterised by the construction based on a rigid PVC film carrier of various thicknesses, combined with different adhesives and liners.





# Soft adhesive tapes

## BS GRAFIX

**300 SOFT**

thickness  
**0.30 mm**  
**11.8 mils**



## BS FLEX

**400 LC**

thickness  
**0.40 mm**  
**15.7 mils**









**380 FLAT**


thickness  
**0.38 mm**  
**15 mils**




# Technical features




## Soft adhesive tapes available ranges

Product	SOFT	LC	FLAT
BS GRAFIX 300	 		
BS FLEX 380			 
BS FLEX 400		 	




 Colour of the carrier

 Colour of the liner

## Available carriers







Type	SOFT	LC	FLAT
Plasticized PVC film			
PET cloth			

## Available liners

Type	SOFT	LC	FLAT
PE coated creped paper			
Glassine paper			

 Siliconized liner

## Adhesion performance

Side	SOFT	LC	FLAT
Closed side (plate side)			
Open side (sleeve side)			

Adhesion shown refers to the general performance of the product during application and not to Peel Adhesion values

 Natural rubber adhesive



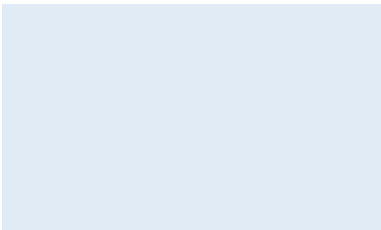
# Rigid adhesive tapes

**BIENNE**

## BS FIRM EP

**100 EP**

thickness  
**0.10 mm**  
**3.9 mils**



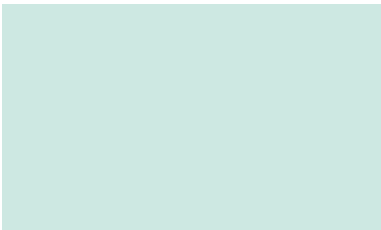
**150 EP**

thickness  
**0.15 mm**  
**5.9 mils**



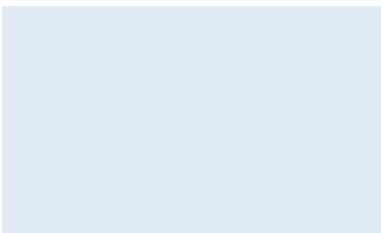
**200 EP**

thickness  
**0.20 mm**  
**7.9 mils**



**250 EP**

thickness  
**0.25 mm**  
**9.8 mils**



**300 EP**

thickness  
**0.30 mm**  
**11.8 mils**



**BIENNE**

## BS FIRM OPP LF

**100 OPP LF**

thickness  
**0.10 mm**  
**3.9 mils**



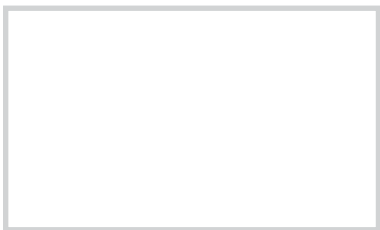
**150 OPP LF**

thickness  
**0.15 mm**  
**5.9 mils**



**200 OPP LF**

thickness  
**0.20 mm**  
**7.9 mils**



**250 OPP LF**

thickness  
**0.25 mm**  
**9.8 mils**



**300 OPP LF**

thickness  
**0.30 mm**  
**11.8 mils**



**BIEFFE**

## BS FIRM B

**100 B**

thickness  
**0.10 mm**  
**3.9 mils**



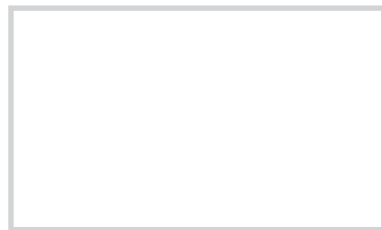
**150 B**

thickness  
**0.15 mm**  
**5.9 mils**



**200 B**

thickness  
**0.20 mm**  
**7.9 mils**



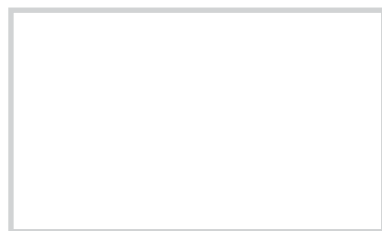
**250 B**

thickness  
**0.25 mm**  
**9.8 mils**



**300 B**

thickness  
**0.30 mm**  
**11.8 mils**



**BIEFFE**

## BS FIRM DS

**100 DS**

thickness  
**0.10 mm**  
**3.9 mils**



**100 DS WHITE**

thickness  
**0.10 mm**  
**3.9 mils**



# Technical features

## Rigid adhesive tapes available ranges

Prodotto	EP	OPP LF	B	DS
BS FIRM 100				*
BS FIRM 150		*		
BS FIRM 200				
BS FIRM 250				
BS FIRM 300				

Color of the carrier   
 Color of the liner   
 Transparent   
 \* Products available upon request

## Available carriers

Type	EP	OPP LF	B	DS
Rigid PVC film	•	•	•	•

## Available liners

Type	EP	OPP LF	B	DS
Corrugated PVC film			(N)	
Glassine paper				(S)
Low friction orange peel embossed PP film		(S)		
Creped PP film	(S)			

(S) Siliconized liner   
 (N) Unsiliconized liner

## Adhesion performance

Side	EP	OPP LF	B	DS
Closed side (plate side)				
Open side (sleeve side)				

Adhesion shown refers to the general performance of the product during application and not to Peel Adhesion values

Natural rubber adhesive



# Application recommendations

	Plate Thickness		Application			Plate Support			
Product	Medium	High	Wide Web	Narrow Web	Post-print	Steel cylinder	Aluminium cylinder	Pre-mounting on Mylar® sheet	Rigid sleeve

## SOFT

BS GRAFIX SOFT	●	●	●		●	●	●	●	
BS FLEX LC	●	●			●	●	●	●	
BS FLEX FLAT	●	●			●	●	●	●	

## RIGID

BS FIRM EP	●	●		●	●	●	●	●	●
BS FIRM OPP LF	●			●	●	●	●	●	●
BS FIRM B	●	●	●	●	●	●	●	●	●
BS FIRM DS	●	●	●	●	●	●	●		●

● Ideal      ● Suitable

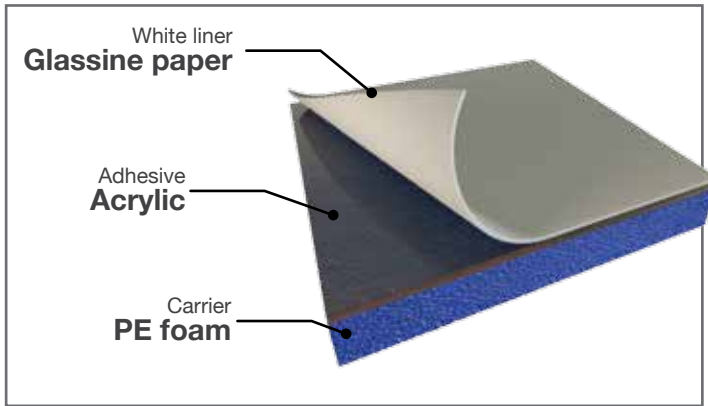


# Cushioning base for high quality post-print results

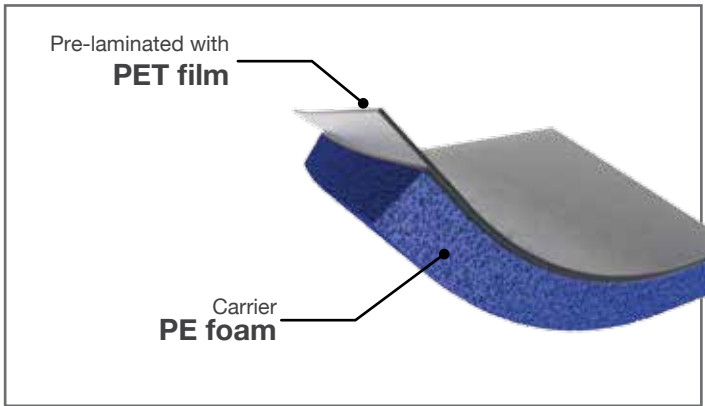
The BiesSse® MS FOAM range is mainly used for high-quality flexo post-printing of corrugated board. The closed-cell polyethylene foam backing offers high resistance and resilience, thus optimizing print process and quality. It allows for the reduction of the thickness of the printing plates, ensures excellent cushioning and press vibration absorption even at high printing speed, and avoids cardboard crush reducing dot gain and the “washboard effect”.

The MS FOAM range is available in two versions with different thicknesses: MS FOAM SA (Self-Adhesive) self-adhesive foam with paper liner, and MS FOAM PET with polyester film laminated foam.

## 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



MS FOAM 1700 SA



MS FOAM 1700 PET

# Your challenges, our mission

The BiesSse group, which has been operating on the global market for over **40 years**, specializes in the production and conversion of highly performing technical adhesive tapes.

The experience acquired during the years, the advanced proprietary know-how, combined with its on-going commitment in research and development, have enabled the BiesSse group to be active on various markets through **two distinctive companies** operating in close synergy, i.e. :

- **BiesSse Tape Solutions S.p.A.**, for the company's core business
- **BiesSse Equipment Solutions S.r.l.**, for the design and production of industrial equipment and related software.

BiesSse's mission is to develop **integrated solutions** by anticipating the more and more demanding future market requirements, and to innovate the most challenging industrial processes by supporting customers in their search for the most suitable solutions that complying with their requirements.

The company's Adhesive Tapes manufacturing unit (over 11,000 sq.mt.) and the Equipment manufacturing unit (over 2,000 sq.mt.) are equipped with modern and advanced installations, in line with Lean practices.

The BiesSse group, with Headquarters in Sedriano, Milan (Italy), operates worldwide through its subsidiaries in Austria, Brazil, China and Mexico, availing itself of a professional and strongly committed local workforce. The **direct presence on the ground** makes it possible to quickly and efficiently respond to customers' demands and to ensure on-going assistance and support.

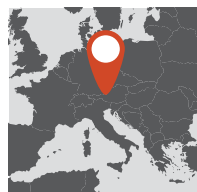
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[info.tapes@biesseworld.com](mailto:info.tapes@biesseworld.com)



## BiesSse Equipment Solutions S.r.l.

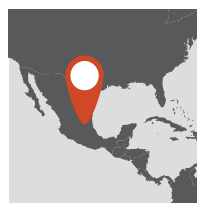
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Process innovation through:

## **Tape** solutions

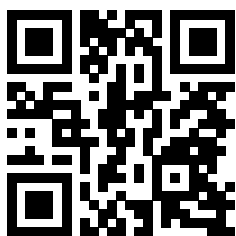
Highly performing technical adhesive tapes  
for the most challenging industrial applications

## **Equipment** solutions

Cutting-edge proprietary equipment  
for adhesive tapes applications

## **Software** solutions

Multiplatform, user-friendly software  
supporting industrial automation



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