

BIENNE[®]

Your challenges, our mission

Industrial adhesive tapes

PRODUCTS AND APPLICATIONS



BiesSse Tape Solutions

Through its Adhesive Tapes division, the BiesSse group **designs and produces** adhesive tapes for the most challenging industrial applications.

The wide knowledge of raw materials and the implementation of the latest manufacturing technologies enables BiesSse to produce **high-performance products** for the most challenging technological and innovative industries.

A team of highly specialised chemists works daily on the customer’s behalf to develop technical adhesive tapes characterised by **different degrees of adhesion, cohesion and wettability**.

The extensive experience and high technical skills of the BiesSse R&D team, and a **wide range of available carriers, liners and adhesives**, enables us to offer **customised solutions**, as well as to provide constant support during the design, development, testing and application processes.



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BiesSse adhesive solutions

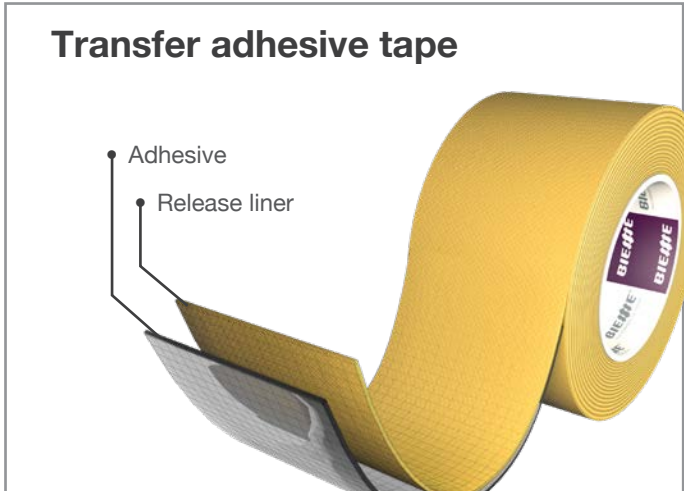
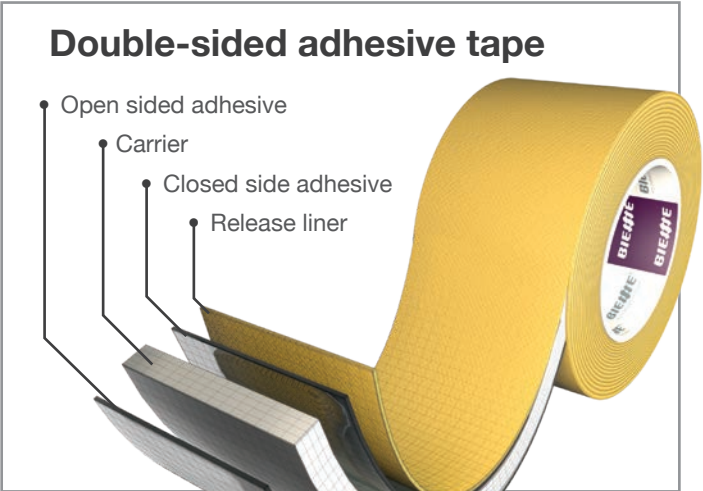
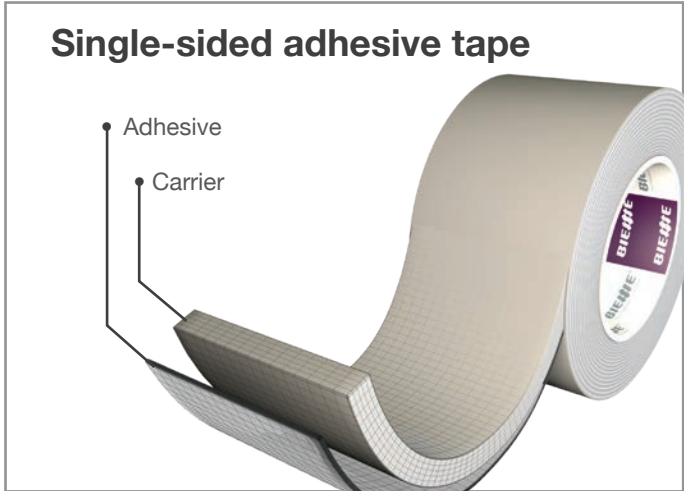
The adhesive tapes developed by BiesSse are **pressure sensitive** (PSA). No solvents, water or heat are required to activate the adhesive. The adhesion to the surface depends on the amount of pressure applied to the tape.

Compared to traditional bonding systems, adhesive tapes ensure clean and fast application. They provide high flexibility and adaptability for **applications on different types of materials and surfaces**. They offer higher efficiency for the application process, enabling time and cost saving, and greater safety during the assembly process.

Adhesive tapes are distinguished by their construction, adhesive, carrier material and liner. Depending on the components used, the tapes offer **specific features** that make them suitable for different applications and needs: type of substrate, environmental and operating conditions, function and durability.

BiesSse offers a wide range of adhesive tapes for a **broad variety of industrial applications** and a team of experienced technicians to support you in choosing the best solution for your needs.

Tape construction



Liner
Removable material protecting the adhesive carrier. It facilitates unwinding and correct application of the tape.

Carrier
Backing material on which the adhesive is applied. It determines conformability, tensile strength and elongation of the tape.

Adhesive
Pressure sensitive adhesive of natural, synthetic or silicone origin. Viscosity, cohesion and adhesion properties determine the performance of the tape.

Types of carriers

Film
Filmic adhesive tapes are generally **thinner** than foam tapes. They are used on **smooth and uniform surfaces** where transparent fixing is required. They provide **dimensional/chemical stability and moisture resistance**.

Backing material	Elongation capability	Temperature resistance	Conformability	Chemical resistance
PET film	● ○ ○ ○	● ● ● ●	● ○ ○ ○	● ● ● ●
PP film	● ● ● ●	● ● ● ●	● ● ● ●	● ● ● ●
Rigid PVC film	● ● ○ ○	● ● ○ ○	● ○ ○ ○	● ● ○ ○
Plasticized PVC film	● ● ● ●	● ● ○ ○	● ● ● ●	● ● ● ●

Foam
Adhesive foam tapes are generally thicker than film tapes. **Soft and conformable**, they are suitable for application on **uneven surfaces** or when **filling properties** are required. Closed cell foams provide impermeability to liquids. They offer **thermal expansion compensation** and **vibration absorption** features.

Backing material	Elongation capability	Temperature resistance	Conformability	Chemical resistance
PE foam	● ● ● ●	● ● ○ ○	● ● ● ●	● ● ● ●
PU foam	● ● ● ●	● ● ● ●	● ● ● ●	● ● ● ●

Woven fabric
Fabric adhesive tapes are able to offer **conformability, temperature, humidity and chemical resistance**.

Backing material	Elongation capability	Temperature resistance	Conformability	Chemical resistance
PET fabric	● ○ ○ ○	● ● ● ●	● ● ○ ○	● ● ○ ○
Cloth tissue	● ● ○ ○	● ● ● ●	● ● ● ●	● ● ● ●

Non-woven fabric
Non-woven adhesive tapes offer **high conformability**, temperature resistance and **air permeability**, and allow **easy tearing by hand**.

Backing material	Elongation capability	Temperature resistance	Conformability	Chemical resistance
Non-woven fabric	● ○ ○ ○	● ● ● ●	● ● ● ●	● ● ○ ○

Cellulose
Paper adhesive tapes are **hand-tearable** and offer **good conformability**.

Backing material	Elongation capability	Temperature resistance	Conformability	Chemical resistance
Paper	○ ○ ○ ○	● ○ ○ ○	● ● ● ●	● ○ ○ ○

Metals
Metal adhesive tapes have **insulating properties** and are **resistant to temperature**, UV rays, **weathering**, ageing, water, **oily substances** and **solvents**.

Backing material	Elongation capability	Temperature resistance	Conformability	Chemical resistance
Aluminium	○ ○ ○ ○	● ● ● ●	● ● ○ ○	● ● ● ●

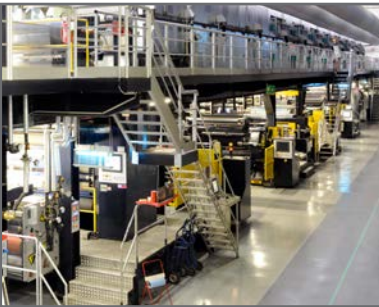
Types of adhesives

	Natural rubber	Synthetic rubber	Pure acrylic	Modified acrylic	Silicone
Tack	●●●○	●●●●	●○○○	●●●○	●○○○
Coesione	●○○○	●○○○	●●●○	●●●○	●●●●
Adesione	●●○○	●●●●	●●○○	●●●○	●●○○
Resistenza alla temperatura	●○○○	●○○○	●●●○	●●●○	●●●●
Resistenza all'umidità	●●○○	●●○○	●●●●	●●●○	●●●●
Resistenza ai raggi UV	●○○○	●○○○	●●●●	●●●○	●●●●
Resistenza ai solventi	●○○○	●○○○	●●●●	●●○○	●●●●
Utilizzo in applicazioni esterne	●○○○	●○○○	●●●●	●●●○	●●●●
Utilizzo su superfici con bassa tensione superficiale (LSE)	●●●○	●●●●	●○○○	●●●○	●●○○
Resistenza all'invecchiamento	●○○○	●○○○	●●●●	●●●○	●●●●

Types of liners

	Glassine paper	Double-sided PE coated paper	PVC film	PE film	PP film	PET film
Release	Features	Paper liner		Filmic liner		
	Silicone	●	●	●	●	●
	Unsilicone		●			
Topography	Flat	●	●		●	●
	Creped		●			
	Corrugated			●		
	Embossed			●	●	
Physical properties	Transparent				●	●
	Hand-tearable	●	●			
	Easy to be die-cut	●	●		●	●
	Excellent high temperature resistance	●				●
	Excellent moisture resistance		●			●
	Good tensile strength	●	●			●

Custom manufacturing and processing



Coating
Coating of single-sided, double-sided and transfer tapes with solvent, hot-melt and water based technology.



Custom roll cutting
Lathe or slitter cutting of single-sided adhesive, double-sided adhesive and foam rolls to a defined extent.



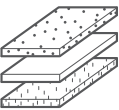
Spooling
Converting into spools with single or double-sided adhesive tapes with or without fingerlift liner.



Die-cutting
Production of die-cuts according to bespoke designs by means of rotary technology or laser cutting.

Factors to be considered when choosing an adhesive tape

Surface to be bonded



Material

- **Type:** plastic, glass, metal, paper, wood, fabric, etc.
- **Features:** adhesive compatibility, anti-adhesive properties, surface tension, wettability, permeability, etc.



Substrate

- **Type:** smooth, corrugated, uneven
- **Morphology:** linear, convex, concave, etc.

Application and storage conditions



Environmental conditions

- Indoors or outdoors
- Temperature, humidity, exposure to atmospheric agents, light or salt water, etc.



Presence of contaminants

Acids, oils, dust, solvents, etc.

Final application



Operating temperature



Required application features

- Temporary or permanent application
- Application modalities



Presence of mechanical stress in operation



Application pressure

- Surface pressure value
- Pressure times



Shelf life of the adhesive tape



Transport

INDUSTRY



Automotive

The Automotive sector is one of the most important and innovative industrial sectors. Manufacturers and suppliers are constantly seeking innovative materials, more efficient processes and new production techniques.

Adhesive tapes are now a valid alternative to standard bonding techniques. They guarantee lightness, high flexibility and adaptability for **applications on different types of materials and surfaces**. By offering **greater efficiency and safety during assembly**, they save time and cut production costs.

Thanks to the synergy with major market players and the experience gained through the implementation of specific tests, BiesSse is able to offer a range of high-performance adhesive tapes for car manufacturers (OEMs) and their suppliers (OES).

Our products, made for multiple vehicle interior and exterior applications, meet the highest standards of approval applicable in the industry. They ensure **excellent adhesion, perfect conformability, very high aging resistance, compensation of thermal expansion, and resistance to temperature, UV rays and atmospheric agents**.



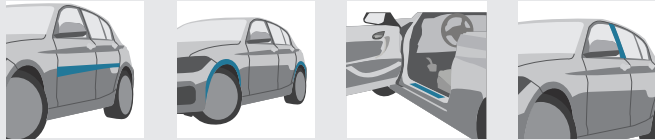
Wheel balancing

The **adhesive wheel balancing weights** are fixed with double-sided adhesive tape on the inside of the metal or alloy wheels of cars, trucks, vans and motorcycles. Our adhesive tape, which is subject to high vibrations and thermal stresses during the movement of the vehicle, ensures **excellent adhesion and deformation compensation**.



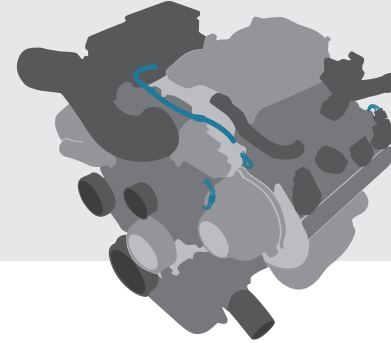
Attachment parts mounting

Our high performance adhesive tapes for **structural bonding to the car body** securely fix accessories such as license plates, parking sensors, rocker panels, moldings, fender flares, spoilers, shark fin antennas, thermoformed parts, frames and emblems. They ensure **perfect conformability and excellent dissipation of mechanical and thermal stress**, providing excellent holding over time.



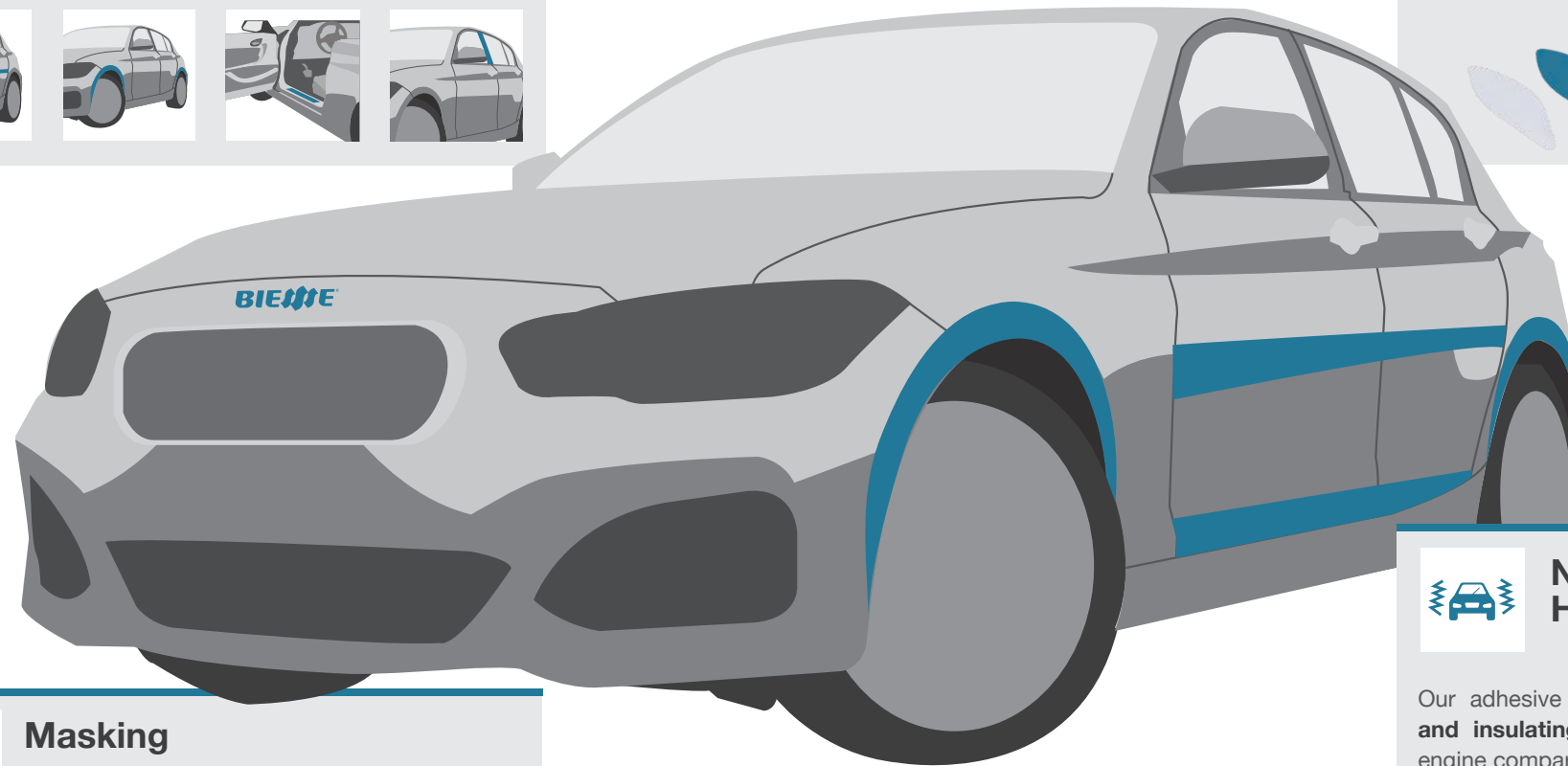
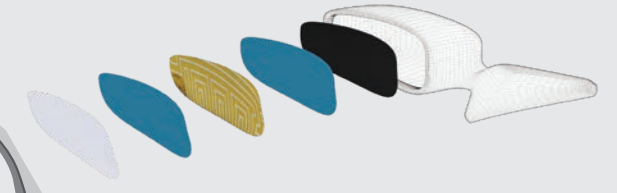
Wiring

Our adhesive tapes are used to **bundle and insulate cables and electrical wires** in wiring of the engine compartment and car interior. They can be **self-extinguishing and sound-absorbing**. They ensure **secure taping and high resistance to abrasion and cutting**, UV rays and thermal stress, while optimising weight and space.



Rear-view mirror assembling

Compared to standard fitting systems, our double-sided adhesive tapes allow the reflective surface to be fixed to the base plate or on the top of a flat heating element (in the case of heated electric mirrors), providing weight reduction, better insulation, **excellent adaptability to uneven surfaces** and greater design flexibility.



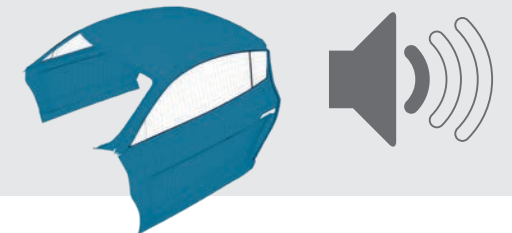
Masking

Our masking tapes provide **safe and effective protection for car bodies and bumpers** during the painting process. All the tapes in the range are characterised by extremely resistant backing, **high adhesion and cohesion even at high temperatures**, along with good surface conformability. They also allow **easy and clean removal** at the end of the painting process, thus saving time.



Noise Vibration Harshness (NVH)

Our adhesive tapes for **fixing sound absorbing panels and insulating materials for thermal insulation** of the engine compartment and air-conditioning system are able to withstand high thermal stresses and vibrations.



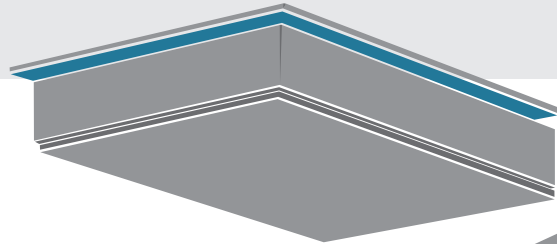


Automotive



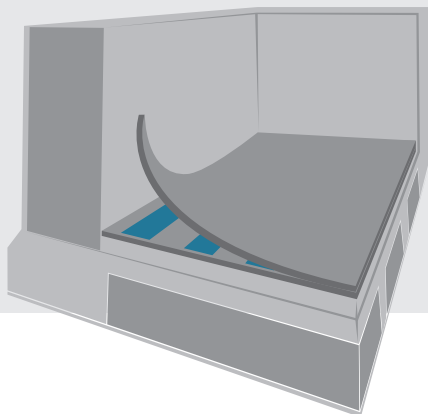
Cover panels fitting

Our double-sided adhesive tapes are suitable both for **assembling different material layers** of insulating panels and for **metal panel mounting** on vehicle body frame in the production of campers. They ensure **very high bonding strenght**, resistance to thermal and mechanical stress, and excellent holding over time.



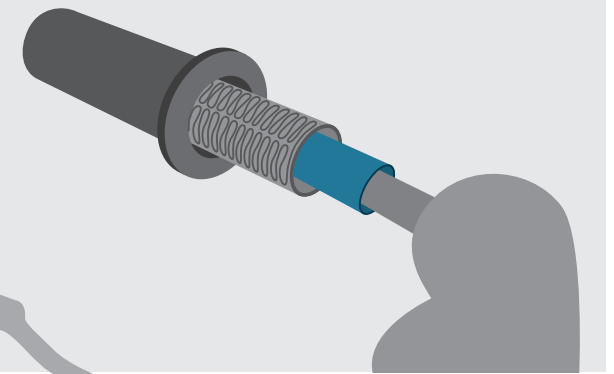
Floor covering

Our adhesive tapes for fixing **floor coverings** (such as carpets, PVC and vinyl) of **campers and caravans** ensure excellent adhesion even on critical surfaces as well as high conformability.



Flexible foil heaters application

In the automotive sector, flexible foil heaters are applied using adhesive tapes on different surfaces to heat elements such as **rear-view mirrors, grips and seats**. Our adhesive tapes ensure **excellent holding over time** and **resistance to thermal stress**.



Product	Thickness (mm)	Density	Carrier	Carrier colour	Adhesive		Liner	Attachment parts mounting	Wheel balancing	Masking	Wiring	Rear-view mirror assembling	NVH	Cover panels fitting	Floor covering	Flexible foil heaters application
MS ALU 37 A	0.08	-	Aluminium	Aluminium	Modified acrylic		White silicone glassine paper			●	●		●			
MS ALPOL	0.09	-	Aluminium+PET film	Aluminium	Pure acrylic		-			●	●		●			
BS GARZ HT	0.25	-	Cloth tissue	White	Synthetic rubber		White silicone glassine paper								●	
PAPER	0.12	-	Creped paper	Yellow	Natural rubber		-			●						
MS TEX 125	0.15	-	Glass fibre+BOPP film	Semi-transparent	Synthetic rubber		-				●					
BS TNT 22.12	0.09	-	Non-woven	Semi-transparent	Pure acrylic		Havana silicone glassine paper	●					●			
BS TOP TAPE HQ	0.09	-	Non-woven	Semi-transparent	Pure acrylic		White silicone glassine paper	●					●			
BS TNT GV	0.13	-	Non-woven	Semi-transparent	Pure acrylic		Havana silicone glassine paper	●					●			
BS 22.01	0.15	-	Non-woven	Semi-transparent	Pure acrylic		Havana silicone glassine paper	●					●			
MS PLASTEX 300	0.26	-	PE cloth	Black / Grey / White	Natural rubber		-			●	●					
BS 120 A WHITE	0.90	Low	PE foam	White	Pure acrylic		Havana silicone glassine paper	●				●		●		
BS 121 A WHITE	0.90	Medium-high	PE foam	White	Pure acrylic		Havana silicone glassine paper	●				●		●		
BS 121 BLACK	0.90	Medium-high	PE foam	Black	Pure acrylic		Green silicone PE film	●						●		
BS 121 HQ WHITE	0.90	Low	PE foam	White	Modified acrylic		Havana silicone glassine paper	●				●		●		
BS 121 W3	0.90	Low	PE foam	Black	Modified acrylic		Blue silicone PP film		●			●				
BS 121 WHITE GREEN	0.90	Medium-high	PE foam	White	Pure acrylic		Green silicone PE film	●				●		●		
BS 121/200 BLACK GREEN	0.90	High	PE foam	Black	Pure acrylic		Green silicone PE film	●								
BS 123 WHITE GREEN	1.70	Medium-high	PE foam	White	Pure acrylic		Green silicone PE film	●						●		
BS FLEX 380 FLAT	0.38	-	PET cloth	White	Natural rubber		Havana silicone glassine paper								●	
MS FIX 50 FLAT	0.08	-	PET film	Transparent	Modified acrylic		White silicone glassine paper									●
BS POL 12 AS	0.10	-	PET film	Transparent	Modified acrylic		White silicone glassine paper	●								
MS INTER TAPE	0.10	-	PET film	Green	Silicone		-			●						
MS INTER TAPE ACC	0.10	-	PET film	Green	Silicone		White embossed PVC film			●						
BS 26.05	0.13	-	PET film	Transparent	Modified acrylic		Havana silicone glassine paper	●								
BS FIX 220.012 TW	0.17	-	PET film	Transparent	Pure acrylic		White silicone glassine paper	●								●
BS FIX 220.012 BPE	0.17	-	PET film	Transparent	Pure acrylic		White double-sided silicone PE coated paper	●								●
BS 26.04	0.19	-	PET film	Transparent	Pure acrylic		Red silicone PP film	●								
BS 26.04 BPE	0.19	-	PET film	Transparent	Pure acrylic		White double-sided silicone PE coated paper	●								
BS 26.01	0.21	-	PET film	Transparent	Modified acrylic		Red silicone PP film	●								
BS 26.02	0.21	-	PET film	Transparent	Modified acrylic		Havana silicone glassine paper	●								
BS 26.03	0.13		PET film	Transparent	Modified acrylic		Havana silicone glassine paper	●								
MS SILITAPE T ORANGE	0.10	-	PET film	Orange	Silicone		-				●					
MS SILITAPE TRASP	0.10	-	PET film	Transparent	Silicone		-				●					
MS SILITAPE HQ	0.10	-	PET film one side fluorosilicone	Transparent	Silicone		-				●					
BS 25.03	0.22	-	PVC film	White	Modified acrylic		Havana silicone glassine paper	●								



Sailing

In the nautical sector, adhesive tapes are widely used in various construction phases, from masking during the painting and fixing of portholes, finishing elements and coverings, to the assembly of sails and technical fabrics.

BiesSse adhesive tapes for sailing industry provide **high flexibility and adaptability** for applications on **different types of materials and surfaces**. In addition, in outdoor applications, they ensure permanent adhesion even in the most **demanding environmental conditions**.



Fixing

The fixing of **mirrors, finishes and decorative elements** on different surfaces (plastic, glass, aluminium, wood, etc.), using adhesive tapes, ensures flexibility, and rapid and long-lasting adhesion. Our adhesive tapes, filmic and foam, provide **perfect adhesion even on porous/uneven and low surface energy surfaces (LSE)**.



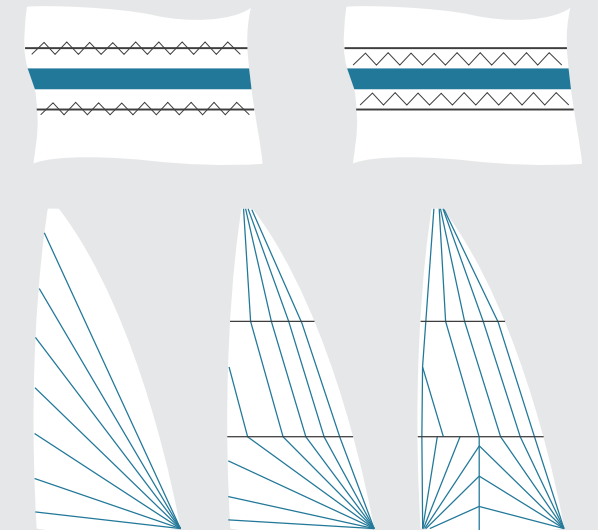
Masking

Our masking tapes are designed for **safe and effective protection of boat surfaces** during the painting process. All the tapes in the range offer extremely resistant backings, high adhesion and cohesion even at high temperatures, and **good surface conformability**. They also ensure **clean removal** at the end of the painting process, thereby saving time.



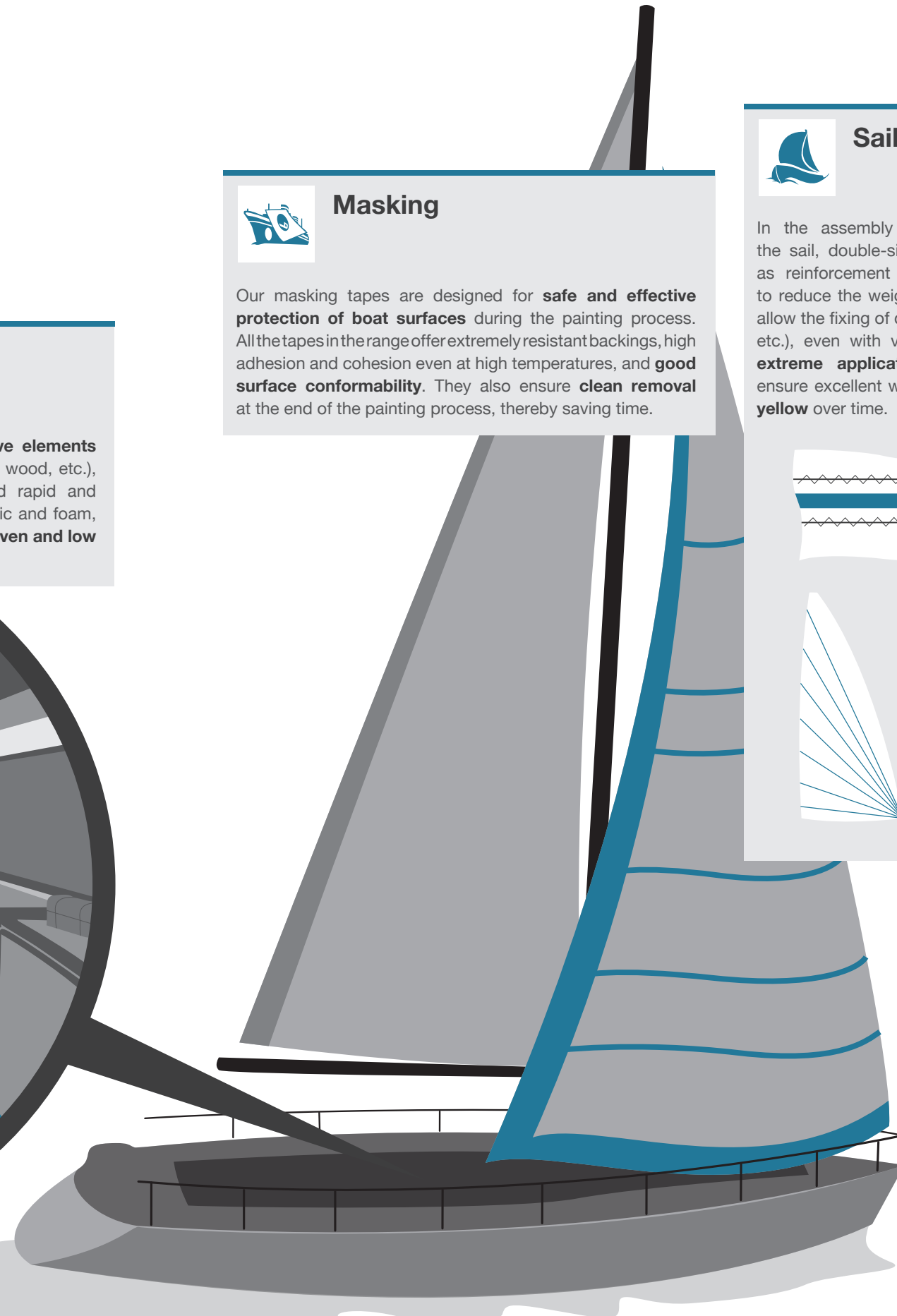
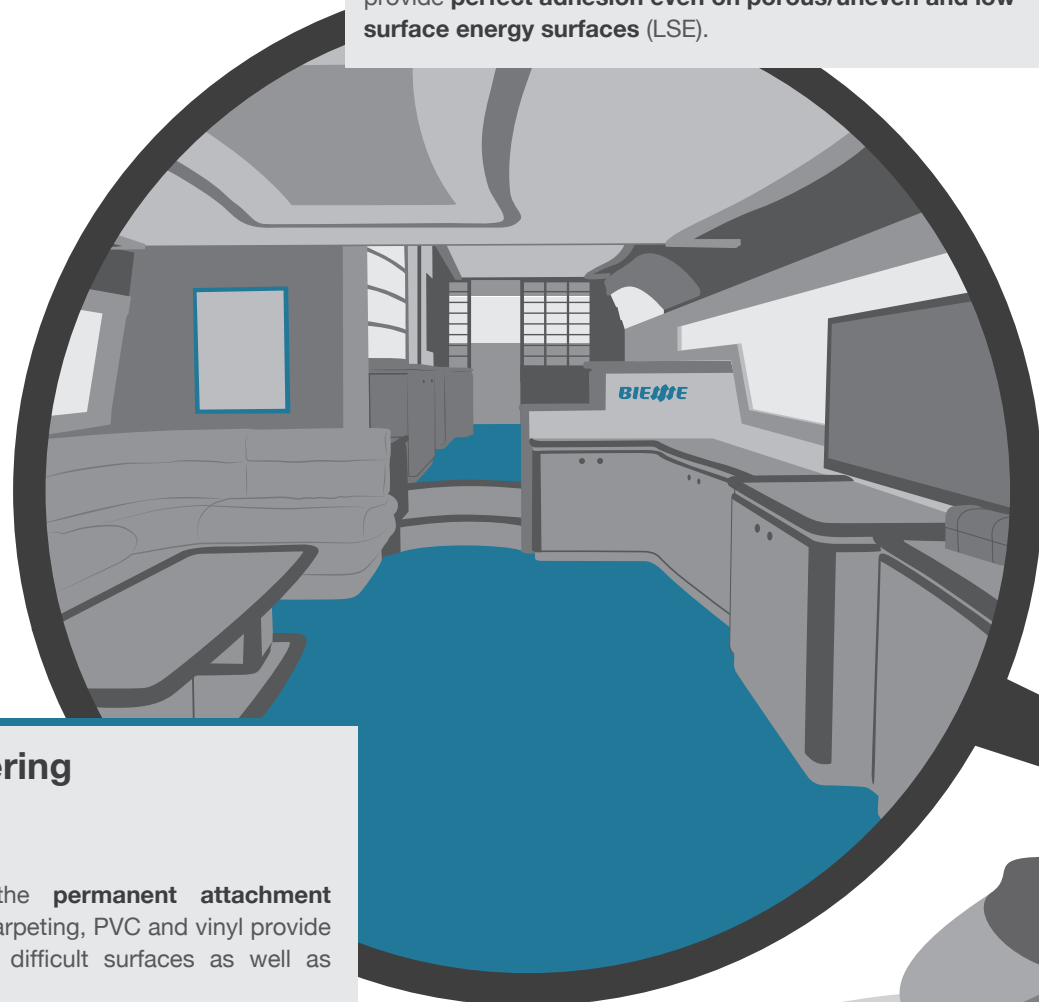
Sail panels assembling

In the assembly of the fabric sail panels making up the sail, double-sided adhesive tapes can be used either as reinforcement **before sewing or instead of sewing** to reduce the weight of technical sails. Our adhesive tapes allow the fixing of different materials (Dacron, Kevlar, Carbon etc.), even with very uneven surfaces. Even in the most **extreme applications**, the high-performance adhesives ensure excellent workability during sewing and **do not turn yellow** over time.



Floor covering

Our adhesive tapes for the **permanent attachment of floor coverings** such as carpeting, PVC and vinyl provide excellent adhesion even on difficult surfaces as well as **high conformability**.

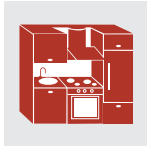




Sailing

Product	Thickness (mm)	Density	Carrier	Carrier colour	Adhesive		Liner	Fixing	Floor covering	Masking	Sail panels assembling
MS ALPOL	0.09	-	Aluminium+PET film	Aluminium	Pure acrylic		-			●	
BS GARZ HT	0.25	-	Cloth tissue	White	Synthetic rubber		White silicone glassine paper		●		
BS TOP TAPE HQ	0.09	-	Non-woven	Semi-transparent	Pure acrylic		White silicone glassine paper				●
BS 22.01	0.15	-	Non-woven	Semi-transparent	Pure acrylic		Havana silicone glassine paper				●
MS PLASTEX 300	0.26	-	PE cloth	Black / Grey / White	Natural rubber		-			●	
BS FLEX 380 FLAT	0.38	-	PET cloth	White	Natural rubber		Havana silicone glassine paper		●		
BS 121 A WHITE	0.90	Medium-high	PE foam	White	Pure acrylic		Havana silicone glassine paper	●			
BS 121 BLACK	0.90	Medium-high	PE foam	Black	Pure acrylic		Green silicone PE film	●			
BS 121 HQ WHITE	0.90	Low	PE foam	White	Modified acrylic		Havana silicone glassine paper	●			
BS 121 WHITE GREEN	0.90	Medium-high	PE foam	White	Pure acrylic		Green silicone PE film	●			
BS POL 12 AS	0.10	-	PET film	Transparent	Modified acrylic		White silicone glassine paper				●
MS INTER TAPE	0.10	-	PET film	Green	Silicone		-			●	
MS INTERTAPE ACC	0.10	-	PET film	Green	Silicone		White embossed PVC film			●	
MS SILITAPE T ORANGE	0.10	-	PET film	Orange	Silicone		-			●	
MS SILITAPE TRASP	0.10	-	PET film	Transparent	Silicone		-			●	
BS 26.01	0.21	-	PET film	Transparent	Modified acrylic		Red silicone PP film	●			●

Building INDUSTRY



Furniture

The furniture industry is a fast-growing sector. An increasing variety of consumer needs and rapid changes in market trends make the production of furniture increasingly complex.

Adhesive tapes are a valid alternative to conventional fixing methods such as glues, screws and rivets. They allow **invisible and clean bonding**, and provide weight saving and high adaptability for applications on different types of materials and surfaces. They also allow cost savings and reduced production times, with **greater efficiency and safety during assembly**.

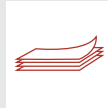
Biesse has developed a series of specific products for the different design requirements and furniture sector needs. Our adhesive solutions are **flexible and suitable for many applications**, such as fixing of trims and decorative elements, lamination and mirror mounting.

Our products include single and double-sided and foam tapes, which ensure adaptability, **excellent adhesion** and **reliable and durable fastening**.



Mirror mounting

The mounting of mirrors on **different surfaces** (plastic, aluminium, wood, etc.) using adhesive tape ensures **flexibility** and **fast**, reliable and **long-lasting bonding**. Our high-performance double-sided adhesive foam tapes ensure **high strength**, deformation compensation and resistance to temperature and chemicals. The highly conformable carriers ensure perfect adhesion even on uneven surfaces.



Lamination

Our adhesive tapes used in the laminating process to apply high-strength plastic laminate sheets to chipboard, MDF or HDF substrates ensure **perfect adhesion between the porous and uneven surfaces** of plastic and wood-based materials. They ensure reliable bonding even on LSE surfaces, and **excellent resistance** to temperature, humidity, water and steam.

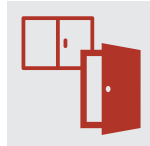


Fixing of trims and decorative elements

Small trims and decorative elements in metal, wood or plastic material, can be fixed to different furnishing components using adhesive tape. Our product range includes thin filmic adhesive tapes and foam tapes with particularly conformable carrier, **suitable for different needs and surfaces**, which ensure perfect adhesion over time.



Product	Thickness (mm)	Density	Carrier	Carrier colour	Adhesive	Liner	Mirror mounting	Lamination	Fixing of trims and decorative elements
BS TNT 22.12	0.09	-	Non-woven	Semi-transparent	Pure acrylic	Havana silicone glassine paper			•
BS TNT GV	0.13	-	Non-woven	Semi-transparent	Pure acrylic	Havana silicone glassine paper			•
BS PLAST H	0.09	-	BOPP film	Transparent	Synthetic rubber	Brown silicone glassine paper		•	•
BS CLOSEBAG HA	0.10	-	BOPP film	Transparent	Synthetic rubber	Red silicone PP film		•	
BS 121 A WHITE	0.90	Medium-high	PE foam	White	Pure acrylic	Havana silicone glassine paper	•		•
BS 121 BLACK	0.90	Medium-high	PE foam	Black	Pure acrylic	Green silicone PE film	•		
BS 121 WHITE GREEN	0.90	Medium-high	PE foam	White	Pure acrylic	Green silicone PE film	•		•
BS FIX 220.012 TW	0.17	-	PET film	Transparent	Pure acrylic	White silicone glassine paper		•	•
BS FIX 220.012 BPE	0.17	-	PET film	Transparent	Pure acrylic	White double-sided silicone PE coated paper		•	•
BS 26.04	0.19	-	PET film	Transparent	Pure acrylic	Red silicone PP film			•
BS 26.04 BPE	0.19	-	PET film	Transparent	Pure acrylic	White double-sided silicone PE coated paper			•
BS 26.01	0.21	-	PET film	Transparent	Modified acrylic	Red silicone PP film		•	•
BS 26.02	0.21	-	PET film	Transparent	Modified acrylic	Havana silicone glassine paper			•
BS 25.03	0.22	-	PVC film	White	Modified acrylic	Havana silicone glassine paper			•



Doors and windows

Adhesive tape applications for the window and doorframe industry are varied, such as the assembly of double-glazing and mosquito nets, the fixing of trims and the production of profiles ready for assembly.

The use of adhesive tape optimises application times, **offers greater stability, design flexibility** and ensures **reliable and long-lasting bonding**.

Our **high-strength** adhesive tapes, both filmic and foam, provide **excellent adhesion** even on low surface energy surfaces, **secure sealing**, expansion compensation, resistance to temperature, UV rays, ageing and atmospheric agents.



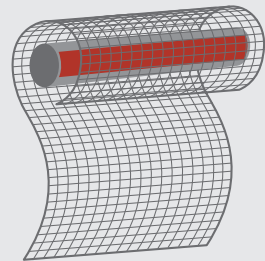
Fixing of trims and decorative elements

The adhesive tapes for permanent application on windows and doors of trims and decorative elements, made of different materials, ensure **fast, clean, invisible and reliable bonding**. Our range includes transparent thin filmic adhesive tapes and foam tapes with particularly conformable carrier, suitable for different surfaces and needs, which provide excellent adhesion over time.



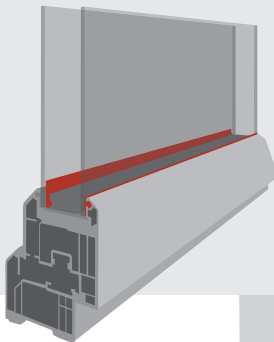
Mosquito net and roller-blind assembling

Our double-sided adhesive tapes used to **fix the net or fabric to the winding roller** of mosquito nets/roller-blind during production ensure excellent conformability and initial tack, high cohesion and resistance to temperature, weathering and plasticizers.



Double-glazing structural bonding

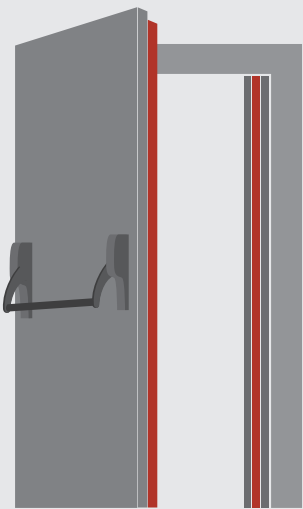
In the production of windows and doorframes, adhesive tapes are used to **fix the perimeter of flexible warm edge spacers** and to **bond the double-glazing to the PVC, aluminium or wooden sash frame** during static dry glazing. The double-sided adhesive tapes suitable for these applications, in addition to ensuring adaptability, **high resistance to temperatures and humidity**, allow **immediate application** and result in a more stable structural fixing, a **thinner frame** and greater design and aesthetic flexibility.



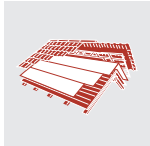
Fixing of gaskets and profiles

Double-sided adhesive tapes used to secure rubber or PVC gaskets and sealing profiles around doors and windows allow **invisible fastening**, and **fast and clean application on different materials**. They ensure excellent adhesion, flexibility, conformability and ageing resistance in both indoor and outdoor conditions.

Our range of adhesive tapes also provides ideal solutions for thermo-expanding gaskets to be applied to **fire doors**.



Product	Thickness (mm)	Density	Carrier	Carrier colour	Adhesive	Liner	Double-glazing structural bonding	Fixing of trims and decorative elements	Fixing of gaskets and profiles	Mosquito net and roller-blind assembling
BS TNT 22.12	0.09	-	Non-woven	Semi-transparent	Pure acrylic	Havana silicone glassine paper			•	
BS TNT GV	0.13	-	Non-woven	Semi-transparent	Pure acrylic	Havana silicone glassine paper			•	
BS 121 A WHITE	0.90	Medium-high	PE foam	White	Pure acrylic	Havana silicone glassine paper		•		•
BS 121 BLACK	0.90	Medium-high	PE foam	Black	Pure acrylic	Green silicone PE film			•	
BS 121 HQ WHITE	0.90	Low	PE foam	White	Modified acrylic	Havana silicone glassine paper				•
BS 121 WHITE GREEN	0.90	Medium-high	PE foam	White	Pure acrylic	Green silicone PE film				•
BS 123 WHITE GREEN	1.70	Medium-high	PE foam	White	Pure acrylic	Green silicone PE film	•			
BS FIX 220.012 BPE	0.17	-	PET film	Transparent	Pure acrylic	White double-sided silicone PE coated paper		•	•	•
BS FIX 220.012 TW	0.17	-	PET film	Transparent	Pure acrylic	White silicone glassine paper		•	•	•
BS 26.01	0.21	-	PET film	Transparent	Modified acrylic	Red silicone PP film		•	•	•
BS 26.02	0.21	-	PET film	Transparent	Modified acrylic	Havana silicone glassine paper		•	•	•
BS 26.04	0.19	-	PET film	Transparent	Pure acrylic	Red silicone PP film		•	•	•
BS 26.04 BPE	0.19	-	PET film	Transparent	Pure acrylic	White double-sided silicone PE coated paper		•	•	•
BS 25.03	0.22	-	PVC film	White	Modified acrylic	Havana silicone glassine paper		•	•	



Roofs and walls

In the building industry, adhesive tapes are widely used for roofs and walls in finishing, insulating and cladding work.

Adhesive tapes for masking during the painting process offer **secure protection** of internal and external building surfaces.

Adhesive tapes for insulation allow different types of surfaces to be insulated, fixed and sealed at the same time. They **offer good adaptability, high expansion compensation and excellent insulation and durability.**

In the wall covering, adhesive tape facilitates the application of the panels, eliminating the hardening times of liquid structural adhesives and ensuring high adhesion and **excellent resistance to weathering.**



Masking

Our masking tapes ensure maximum **conformability and good adhesion on uneven surfaces** and **residue-free removal** after use.



Insulation

Our adhesives for insulating roofs and walls – able to withstand high thermal stress, UV rays and atmospheric agents – are ideal for the **hermetic and durable fixing of sheets/membranes and thermal insulating, sound-absorbing and structural panels** in polyurethane.

Product	Thickness (mm)	Density	Carrier	Carrier colour	Adhesive	Liner	Insulations	Masking
MS ALU 37 A	0.08	-	Aluminium	Aluminium	Modified acrylic	White silicone glassine paper	●	
PAPER	0.12	-	Creped paper	Yellow	Natural rubber	-		●
BS TNT 22.12	0.09	-	Non-woven	Semi-transparent	Pure acrylic	Havana silicone glassine paper	●	
BS TOP TAPE HQ	0.09	-	Non-woven	Semi-transparent	Pure acrylic	White silicone glassine paper	●	
BS TNT GV	0.13	-	Non-woven	Semi-transparent	Pure acrylic	Havana silicone glassine paper	●	
MS PLASTEX 300	0.26	-	PE cloth	Black / Grey /White	Natural rubber	-		●
MS 121 WHITE GREEN	0.85	Medium-high	PE foam	White	Pure acrylic	Green silicone PE film	●	
BS FIX 220.012 TW	0.17	-	PET film	Transparent	Pure acrylic	White silicone glassine paper	●	
BS 26.04	0.19	-	PET film	Transparent	Pure acrylic	Red silicone PP film	●	
BS 26.04 BPE	0.19	-	PET film	Transparent	Pure acrylic	White double-sided silicone PE coated paper	●	
BS 26.01	0.21	-	PET film	Transparent	Modified acrylic	Red silicone PP film	●	
BS 26.02	0.21	-	PET film	Transparent	Modified acrylic	Havana silicone glassine paper	●	
BS 25.03	0.22	-	PVC film	White	Modified acrylic	Havana silicone glassine paper	●	
CARTA LISCIA/S	0.15	-	Smooth paper	White	Natural rubber	-		●



Floors

Adhesive tapes are used for **fixing floor coverings** and for **floor marking** in high traffic production areas and public buildings (such as hospitals, sports facilities and airports), to delimitate wards, and restricted and dangerous areas.

BiesSse adhesive tapes, suitable for **permanent or temporary fixing**, provide excellent adhesion performance even on difficult surfaces as well as **high conformability**.



Covering

Our double-sided adhesive tapes for fixing coverings, such as carpeting, PVC and vinyl on floors, offer a quick and effective alternative to glue and ensure **high adhesion even on uneven surfaces**.

Product	Thickness (mm)	Carrier colour	Colour	Adhesive	Liner
BS GARZ HT	0.25	Cloth tissue	White	Synthetic rubber	White silicone glassine paper
MS PLASTEX 300	0.26	PE cloth	Black / Grey / White	Natural rubber	-
BS FLEX 380 FLAT	0.38	PET cloth	White	Natural rubber	Havana silicone glassine paper



HVAC

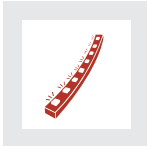
In the Heating, Ventilation and Conditioning sector, adhesive tape applications are numerous, including the **joining** of pipes and ducts, various aerial components, insulating element edges, air pipe **sealing**, and **heat reflection protection** and **damping**.



Thermal insulation

Our adhesive tapes ensure **fast bonding**, safe sealing and are **able to withstand temperature and ageing**.

Product	Thickness (mm)	Density	Carrier	Carrier colour	Adhesive	Liner
MS ALU 37 A	0.08	-	Aluminium	Aluminium	Modified acrylic	White silicone glassine paper
MS ALPOL	0.09	-	Aluminium + PET film	Aluminium	Pure acrylic	-
BS TNT 22.12	0.09	-	Non-woven	Semi-transparent	Pure acrylic	Havana silicone glassine paper
BS TOP TAPE HQ	0.09	-	Non-woven	Semi-transparent	Pure acrylic	White silicone glassine paper
BS TNT GV	0.13	-	Non-woven	Semi-transparent	Pure acrylic	Havana silicone glassine paper
MS PLASTEX 300	0.26	-	PE cloth	Black / Grey / White	Natural rubber	-
BS FIX 220.012 TW	0.17	-	PET film	Transparent	Pure acrylic	White silicone glassine paper
MS 121 WHITE GREEN	0.85	Medium-high	PE foam	White	Pure acrylic	Green silicone PE film
MS MONOFOAM PVC 696	3/4/5	Medium-high	PVC foam	Black/White/Brown	Acrylic	-

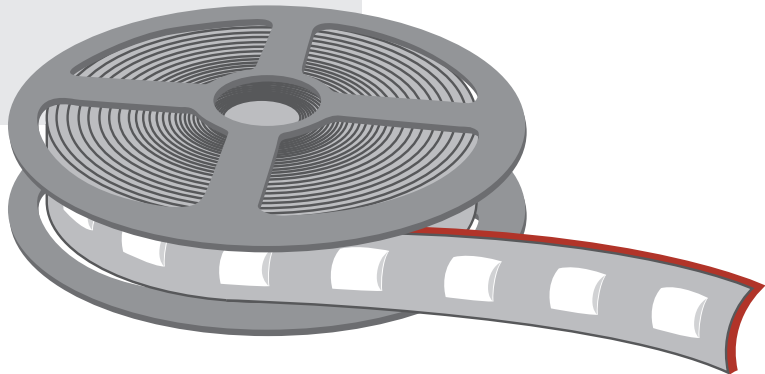


Lighting



Fixing of LED strips

For fixing LED strips, unlike glue, adhesive tape is lighter and permits **clean application**. Our adhesive tapes provide **high cohesion** and **high temperature resistance**.



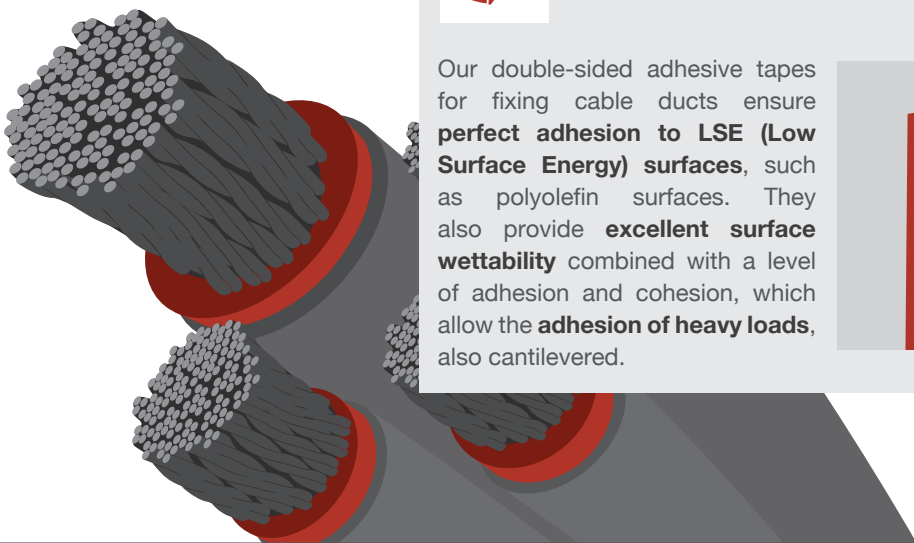
Product	Thickness (mm)	Carrier	Carrier colour	Adhesive	Liner
MS PLASTEX 300	0.26	PE cloth	Black / Grey / White	Natural rubber	-
BS FIX 220.012 TW	0.17	PET film	Transparent	Pure acrylic	White silicone glassine paper
BS 26.01	0.21	PET film	Transparent	Modified acrylic	Red silicone PP film
BS 26.02	0.21	PET film	Transparent	Modified acrylic	Havana silicone glassine paper
BS 26.04	0.19	PET film	Transparent	Pure acrylic	Red silicone PP film
BS 26.04 BPE	0.22	PVC film	White	Modified acrylic	White double-sided silicone PE coated paper



Electric cables

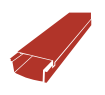
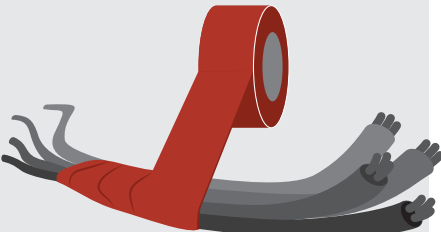
Adhesive tape allows **quick and easy management of power cables**, from temporary and permanent fixing, and wiring of cables and wires, to the application of cable ducts on different types of materials such as plastic, metal, wood and ceramic.

The BiesSse product range consists of tapes with different carriers and adhesives, which adapt to different applications, and are characterised by **resistance to temperature and tearing**, **high cohesion** and **high adhesion** on smooth, rough or difficult surfaces.



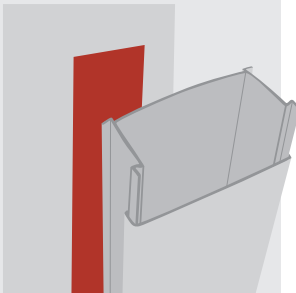
Wiring and insulation

Our adhesive tapes for wiring provide secure taping and high **resistance to abrasion, cutting and thermal stress**.



Fixing of cable ducts

Our double-sided adhesive tapes for fixing cable ducts ensure **perfect adhesion to LSE (Low Surface Energy) surfaces**, such as polyolefin surfaces. They also provide **excellent surface wettability** combined with a level of adhesion and cohesion, which allow the **adhesion of heavy loads**, also cantilevered.



Product	Thickness (mm)	Carrier	Carrier colour	Adhesive	Liner	Fixing of cable ducts	Wiring and insulation
MS ALU 37 A	0.08	Aluminium	Aluminium	Modified acrylic	White silicone glassine paper		●
MS ALPOL	0.09	Aluminium + PET film	Aluminium	Pure acrylic	-		●
MS TEX 125	0.15	Glass fibre + BOPP film	White	Synthetic rubber	-		●
MS PLASTEX 300	0.26	PE cloth	Black / Grey / White	Natural rubber	-		●
POLITRASP	0.06	PET film	Transparent	Pure acrylic	-		●
MS SILITAPE T ORANGE	0.10	PET film	Orange	Silicone	-		●
MS SILITAPE TRASP	0.10	PET film	Transparent	Silicone	-		●
BS FIX 220.012 TW	0.17	PET film	Transparent	Pure acrylic	White silicone glassine paper	●	
BS 26.01	0.21	PET film	Transparent	Modified acrylic	Red silicone PP film	●	
BS 26.02	0.21	PET film	Transparent	Modified acrylic	Havana silicone glassine paper	●	
BS 26.03	0.13	PET film	Transparent	Modified acrylic	Havana silicone glassine pape	●	
BS 26.05	0.19	PET film	Transparent	Pure acrylic	Red silicone PP film	●	
BS 25.03	0.22	PVC film	White	Modified acrylic	Havana silicone glassine paper	●	

Fashion

INDUSTRY



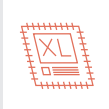
Clothing, footwear and leather goods

In the clothing, footwear and leather goods sectors, adhesive tape is widely used in **fastening and sewing processes**.

Special adhesive tapes enable the **application of rhinestones, synthetic stones, pearls, half pearls or studs to fabrics, leather and suede** in a flexible and permanent way. In addition, they can be used for **self-adhesive labels** applied on clothing and footwear.

In the production of bags, shoes and small leather goods, double-sided adhesive tape is used in the **assembly and sewing processes of different materials**, such as leather, leatherette and fabric, on uppers, soles, edges, profiles, handles, belts, straps and linings.

Biesse adhesive tapes are characterised by **high adhesiveness**, excellent initial tack, **high conformability** and **high resistance to temperature**, humidity and aging.



Fabric label application

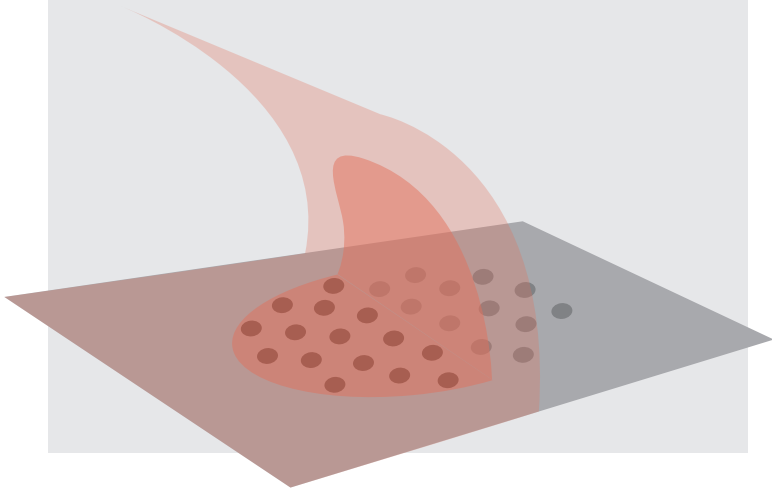
Our adhesive tapes for label application, used in private label manufacturing, offer strong adhesiveness, high initial tack and **excellent wettability** for applications on fabrics.



Rhinestones application

During the fixing of rhinestones on clothing and fashion accessories, the adhesive tape is used as an **application tape**. It allows the transfer of the rhinestone design from the template to the fabric or to other materials for the hot fixing.

Our adhesive tapes are able to **withstand high application temperatures**. They permit fixing elements with **particularly complicated shapes** and materials that are **difficult to adhere** without leaving any residue after the application.

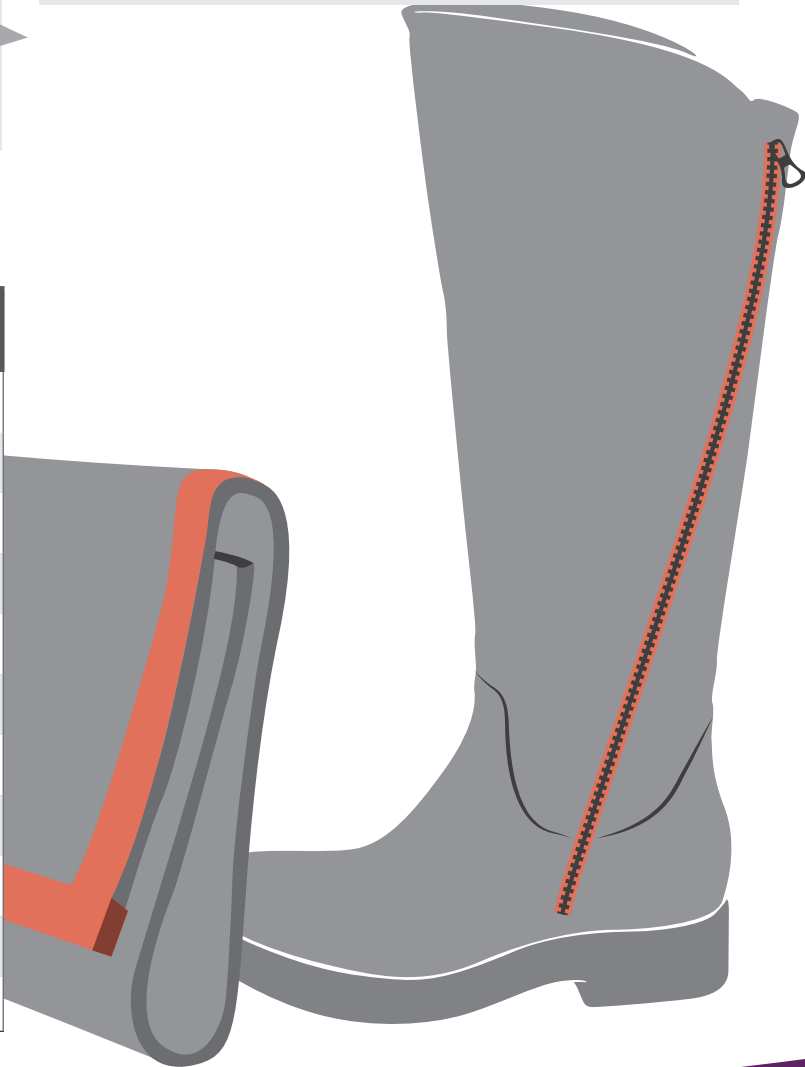


Fixing and assembly of leather goods

Especially in the footwear and leather goods sector, double-sided adhesive tapes are used for **profile and handle reinforcement, temporary lamination, and pre-fixing of hinges and other parts**, where positioning with strong anchorage is required before the final machine stitching.

Adhesive tapes with a **flexible and conformable liner**, being easily conformable on extremely curved lines, are particularly well suited to following extreme curved lines, and are suitable for lining and on the profiles of bags, wallets, belts, straps, uppers and soles.

Our range includes adhesive tapes suitable for **fixing on uneven surfaces**, in leather, leatherette or fabric, which ensure **high adhesion, high tack** and resistance to temperature, UV rays, moisture and plasticizers. Moreover, they **do not clog up the needle while sewing**, and **do not yellow over time**.



Product	Thickness (mm)	Density	Carrier	Carrier colour	Adhesive	Liner		Fabric label application	Fixing and assembly of leather goods	Rhinestones applications
MS PAPER 21.02 H	0.16	-	Kraft paper	Amber	Pure acrylic	-			●	
BS TOP TAPE HQ	0.09	-	Non-woven	Semi-transparent	Pure acrylic	White silicone glassine paper			●	
BS 121 A WHITE	0.90	Medium-high	PE foam	White	Pure acrylic	Havana silicone glassine paper			●	
BS 121 WHITE GREEN	0.90	Medium-high	PE foam	White	Pure acrylic	Green silicone PE film			●	
BS POL 8414	0.07	-	PET film	Transparent	Synthetic rubber	White silicone glassine paper		●		
MS POLITRASP 50 LP	0.09	-	PET film	Transparent	Silicone	White embossed PVC film				●
BS POL 12 AS	0.10	-	PET film	Transparent	Modified acrylic	White silicone glassine paper		●	●	
BS FIX 220.012 BPE	0.17	-	PET film	Transparent	Pure acrylic	White double-sided silicone PE coated paper		●		
BS 26.01	0.21		PET film	Transparent	Modified acrylic	Red silicone PP film			●	
BS 26.02	0.21	-	PET film	Transparent	Modified acrylic	Havana silicone glassine paper			●	
BS 26.04	0.19	-	PET film	Transparent	Modified acrylic	Red silicone PP film			●	

Printing and Packaging INDUSTRY



Plate mounting

Flexible packaging printing

In **wide web flexo printing** adhesive tapes, used for plate mounting onto the cylinder or sleeve, must offer high-performance to meet the ever-increasing demands for print quality and efficient production processes.

The BiesSse range of adhesive tapes covers all printing requirements. The different series of cushion and rigid double-sided adhesive tapes are differentiated by adhesive performance, thickness and compressibility. They are characterized by **low thickness tolerances**, enabling **easy mounting** and easy removal of trapped air, offer perfect adhesion during printing, show **excellent results even at high speed and long print runs**, and allow **clean demounting** at the end of the process.

Cushion adhesive tapes

Product	Thickness (mm)	Carrier	Adhesive (closed s. - open s.)	Liner	Compressibility
BS MOUNT PLATINUM SERIE 20	0.55	Coloured PE foam + reinforcement film	Pure acrylic - Natural rubber	Transparent silicone pattern embossed PP film	High • 20.100 Medium-high • 20.150 Medium • 20.200 Medium-low • 20.250 Low • 20.275 Very low • 20.300
BS MOUNT TITANIUM SERIE 20	0.55	Coloured PE foam + reinforcement film	Pure acrylic - Natural rubber	Transparent silicone pattern embossed PP film	High • 20.100 Medium-high • 20.150 Medium • 20.200 Medium-low • 20.250 Low • 20.275 Very low • 20.300
BS MOUNT US SERIE 20	0.55	Coloured PE foam + reinforcement film	Natural rubber - Natural rubber	Transparent silicone pattern embossed PP film	High • 20.100 Medium-high • 20.150 Medium • 20.200 Medium-low • 20.250 Low • 20.275 Very low • 20.300
BS MOUNT TPS-LT SERIE 20	0.55	Coloured PE foam + reinforcement film	Pure acrylic - Natural rubber	Transparent silicone pattern embossed PP film	High • 20.100 Medium-high • 20.150 Medium • 20.200 Medium-low • 20.250 Low • 20.275 Very low • 20.300
BS MOUNT TITANIUM OPP SERIE 20 SERIE 60 (available only: Medium-low • 20.250)	0.55	Coloured PE foam + reinforcement film	Pure acrylic - Natural rubber	Transparent silicone orange peel embossed PP film	High • 20.100 Medium-high • 20.150 Medium • 20.200 Medium-low • 20.250 Low • 20.275 Very low • 20.300
BS MOUNT TT SERIE 20	0.55	Coloured PE foam + reinforcement film	Natural rubber - Natural rubber	Transparent silicone orange peel embossed PP film	Medium-high • 20.150 Medium • 20.200 Medium-low • 20.250 Low • 20.275 Very low • 20.300
BS MOUNT TPS SERIE 20	0.59	Coloured PE foam + reinforcement film	Pure acrylic - Natural rubber	Transparent silicone pattern embossed PP film	High • 20.100 Medium-high • 20.150 Medium • 20.200 Medium-low • 20.250 Low • 20.275 Very low • 20.300

Rigid adhesive tapes

Product	Thickness (mm)	Carrier	Carrier colour	Adhesive (closed s. - open s.)	Liner
BS FIRM B	0.10 • 0.15 • 0.20 • 0.25 • 0.30 •	PVC film	Transparent	Natural rubber - Natural rubber	Coloured corrugated PVC film
BS FIRM DS	0.10 •	PVC film	Transparent	Natural rubber - Natural rubber	Havana silicone glassine paper
BS FIRM DS LA	0.10 •	PVC film	Transparent	Natural rubber - Natural rubber	White silicone glassine paper
BS FIRM GREEN	0.20 • 0.30 •	PVC film	Transparent	Natural rubber - Natural rubber	Coloured corrugated PVC film



Label printing

In **narrow web flexo printing** small diameter cylinders are being used, frequent job changes are made, and different and complex label designs are the norm. Compared to wide web printing, narrow web printing normally requires adhesive tapes with higher adhesion.

Our adhesive tapes provide a **perfect plate bonding** onto the cylinder or sleeve; they **compensate any possible plate deformation** occurring during the print run, and ensure **perfect thickness calibration**.

Cushion adesive tapes

Product	Thickness (mm)	Carrier	Adhesive (closed s. - open s.)	Liner	Compressibility
BS MOUNT PLATINUM SERIES 15	0.41	Coloured PE foam + reinforcement film	Pure acrylic - Natural rubber	Transparent silicone pattern embossed PP film	Medium-high • 15.150 Medium • 15.200 Medium-low • 15.250 Very low • 15.300
BS MOUNT US SERIES 15	0.41	Coloured PE foam + reinforcement film	Natural rubber - Natural rubber	Transparent silicone pattern embossed PP film	Medium-high • 15.150 Medium • 15.200 Medium-low • 15.250 Very low • 15.300
BS MOUNT NW-CN SERIES 15	0.41	Coloured PE foam + reinforcement film	Pure acrylic - Natural rubber	Transparent silicone orange peel embossed PP film	Medium-high • 15.150 Medium • 15.200 Medium-low • 15.250 Very low • 15.300
BS MOUNT TT SERIES 15	0.41	Coloured PE foam + reinforcement film	Natural rubber - Natural rubber	Transparent silicone orange peel embossed PP film	Medium-high • 15.150 Medium • 15.200 Medium-low • 15.250 Very low • 15.300
BS MOUNT TPS SERIES 15	0.46	Coloured PE foam + reinforcement film	Pure acrylic - Natural rubber	Transparent silicone pattern embossed PP film	Medium-high • 15.150 Medium • 15.200 Medium-low • 15.250 Very low • 15.300

Rigid adhesive tapes

Product	Thickness (mm)	Carrier	Carrier colour	Adhesive (closed s. - open s.)	Liner
BS FIRM EP	0.10 • 0.15 • 0.20 • 0.25 • 0.30 •	PVC film	Transparent	Natural rubber - Natural rubber	Coloured semi-transparent silicone creped PP film
BS FIRM OPP LF	0.10 • 0.15 • 0.20 • 0.25 • 0.30 •	PVC film	Transparent	Natural rubber - Natural rubber	White silicone embossed PP film low friction
BS FIRM B	0.10 • 0.15 • 0.20 • 0.25 • 0.30 •	PVC film	Transparent	Natural rubber - Natural rubber	Coloured corrugated PVC film
BS FIRM DS	0.10 •	PVC film	Transparent	Natural rubber - Natural rubber	Havana silicone glassine paper
BS FIRM DS LA	0.10 •	PVC film	Transparent	Natural rubber - Natural rubber	White silicone glassine paper



Corrugated cardboard post-printing

In the **direct flexo printing of corrugated board**, the adhesive tapes must allow for **perfect adhesion to the printing plates and the polyester carriers**. The carriers are then fixed **to the printing cylinders** and must remain stable during the high-speed printing operations, and must **compensate for any plate deformation**.

Rigid adhesive tapes

Product	Thickness (mm)	Carrier	Carrier colour	Adhesive (closed s. - open s.)	Liner
BS FIRM EP	0.10 • 0.15 • 0.20 • 0.25 • 0.30 •	PVC film	Transparent	Natural rubber - Natural rubber	Coloured semi-transparent silicone creped PP film
BS FIRM OPP LF	0.10 • 0.15 • 0.20 • 0.25 • 0.30 •	PVC film	Transparent	Natural rubber - Natural rubber	White low friction silicone embossed PP film
BS FIRM B	0.10 • 0.15 • 0.20 • 0.25 • 0.30 •	PVC film	Transparent	Natural rubber - Natural rubber	Coloured corrugated PVC film
BS FIRM DS	0.10 •	PVC film	Transparent	Natural rubber - Natural rubber	Havana silicone glassine paper
BS FIRM DS LA	0.10 •	PVC film	Transparent	Natural rubber - Natural rubber	White silicone glassine paper
BS FIRM GREEN	0.20 • 0.30 •	PVC film	Transparent	Natural rubber - Natural rubber	Coloured corrugated PVC film

The wide range of BiesSse products includes rigid and soft non-cushioning double-sided adhesives tapes (with filmic or fabric carrier), and both self-adhesive SA and pre-laminated PET **base cushioning foams** for high process efficiency and high quality post-print.

Cushioning foams

Product	Minimum guaranteed total thickness (foam +adhesive)	Carrier	Carrier colour	Adhesive	Liner
MS FOAM 1100 SA BLUE/RED	1.10 mm (43 mils)	PE foam	Blue/Red	Pure acrylic	White silicone glassine paper
MS FOAM 1400 SA BLUE/RED	1.40 mm (55 mils)	PE foam	Blue/Red	Pure acrylic	White silicone glassine paper
MS FOAM 1700 SA BLUE/RED	1.70 mm (67 mils)	PE foam	Blue/Red	Pure acrylic	White silicone glassine paper
MS FOAM 2100 SA BLUE/RED	2.10 mm (83 mils)	PE foam	Blue/Red	Pure acrylic	White silicone glassine paper
MS FOAM 2600 SA BLUE/RED	2.60 mm (102 mils)	PE foam	Blue/Red	Pure acrylic	White silicone glassine paper

Product	Minimum guaranteed total thickness (foam + adhesive+PET)	Carrier	Carrier colour	Adhesive	Liner
MS FOAM 1100 PET BLUE/RED	1.35 mm (53 mils)	PE foam + PET film White	Blue/Red	Pure acrylic	White silicone glassine paper
MS FOAM 1400 PET BLUE/RED	1.65 mm (65 mils)	PE foam + PET film White	Blue/Red	Pure acrylic	White silicone glassine paper
MS FOAM 1700 PET BLUE/RED	1.95 mm (77 mils)	PE foam + PET film White	Blue/Red	Pure acrylic	White silicone glassine paper
MS FOAM 2100 PET BLUE/RED	2.35 mm (92 mils)	PE foam + PET film White	Blue/Red	Pure acrylic	White silicone glassine paper
MS FOAM 2600 PET BLUE/RED	2.85 mm (112 mils)	PE foam + PET film White	Blue/Red	Pure acrylic	White silicone glassine paper

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

Soft adhesive tapes

Product	Thickness (mm)	Carrier	Carrier colour	Adhesive (closed s. - open s.)	Liner
BS GRAFIX 300 SOFT	0.30	PVC film	White	Natural rubber - Natural rubber	Havana silicone glassine paper
BS FLEX 400 LC	0.40	PET cloth	White	Natural rubber - Natural rubber	Brown double sided silicone PE coated creped paper
BS FLEX 380 FLAT	0.38	PET cloth	White	Natural rubber - Natural rubber	Havana silicone glassine paper



Corrugated cardboard pre-printing

In the flexo pre-printing process during the **corrugated cardboard production**, the paper reels are printed before being processed on the corrugator, allowing for better print quality. Large cylinders and high-thickness photopolymer plate are normally used.

Our adhesive tapes provide **very high adhesion levels, solvent resistance** and **excellent adhesion** during the printing process.

Cushion adhesive tapes

Product	Thickness (mm)	Carrier	Adhesive (closed s. - open s.)	Liner	Compressibility
BS MOUNT PLATINUM SERIES 20	0.55	Coloured PE foam + reinforcement film	Pure acrylic - Natural rubber	Transparent silicone pattern embossed PP film	High • 20.100 Medium-high • 20.150 Medium • 20.200 Medium-low • 20.250 Low • 20.275 Very low • 20.300
BS MOUNT TITANIUM SERIES 20	0.55	Coloured PE foam + reinforcement film	Pure acrylic - Natural rubber	Transparent silicone pattern embossed PP film	High • 20.100 Medium-high • 20.150 Medium • 20.200 Medium-low • 20.250 Low • 20.275 Very low • 20.300
BS MOUNT US SERIES 20	0.55	Coloured PE foam + reinforcement film	Natural rubber - Natural rubber	Transparent silicone pattern embossed PP film	High • 20.100 Medium-high • 20.150 Medium • 20.200 Medium-low • 20.250 Low • 20.275 Very low • 20.300
BS MOUNT TPS-LT SERIES 20	0.55	Coloured PE foam + reinforcement film	Pure acrylic - Natural rubber	Transparent silicone pattern embossed PP film	High • 20.100 Medium-high • 20.150 Medium • 20.200 Medium-low • 20.250 Low • 20.275 Very low • 20.300
BS MOUNT TITANIUM OPP SERIE 20 SERIE 60 (available only: Medium-low • 20.250)	0.55	Coloured PE foam + reinforcement film	Pure acrylic - Natural rubber	Transparent silicone orange peel embossed PP film	High • 20.100 Medium-high • 20.150 Medium • 20.200 Medium-low • 20.250 Low • 20.275 Very low • 20.300
BS MOUNT TT SERIE 20	0.55	Coloured PE foam + reinforcement film	Natural rubber - Natural rubber	Transparent silicone orange peel embossed PP film	Medium-high • 20.150 Medium • 20.200 Medium-low • 20.250 Low • 20.275 Very low • 20.300
BS MOUNT TPS SERIES 20	0.59	Coloured PE foam + reinforcement film	Pure acrylic - Natural rubber	Transparent silicone pattern embossed PP film	High • 20.100 Medium-high • 20.150 Medium • 20.200 Medium-low • 20.250 Low • 20.275 Very low • 20.300



Plate edge sealing

During the mounting process of flexo printing, adhesive tape is used to secure the plate edges to the sleeve or printing roller, in order to **avoid plate lifting and ink penetrations** that would affect printing quality.

The adhesive tapes for this application ensures **maximum sealing and adhesion** during high-speed printing operations.

Product	Thickness (mm)	Carrier	Carrier colour	Adhesive	Liner
MS ALPOL	0.09	Aluminium + PET film	Aluminium	Pure acrylic	-
MS SILITAPE T ORANGE	0.10	PET film	Orange	Silicone	-
MS SILITAPE TRASP	0.10	PET film	Transparent	Silicone	-

Splicing

In the industrial production and converting of **different web type materials** — such as plastic film, metal thin-film, silicone-coated film, paper and cardboard — adhesive tape is used to **splice the material at high speed**. Since the materials are unwound at high machine speeds, the splicing tape is subject to high shear stress and high temperature.

The BiesSse range provides solutions for every application. Our adhesive tapes provide excellent performance on different types of surfaces, ensuring **high initial tack** for **flying splice applications**, and **very high cohesion** for the maximum adhesion during the parent reel unwinding.



Splicing
of paper and cardboard

Product	Thickness (mm)	Carrier	Carrier colour	Adhesive	Liner
BS SPLICE 100 R BLUE	0.10	Cellulose fiber tissue	Light blue	Water soluble acrylic	White silicone repulpable paper
BS TNT 22.12	0.09	Non-woven	Semi-transparent	Pure acrylic	Havana silicone glassine paper
BS TOP TAPE HQ	0.09	Non-woven	Semi-transparent	Pure acrylic	White silicone glassine paper
BS TRANS H	0.10	Non-woven	Semi-transparent	Synthetic rubber	Brown silicone glassine paper
BS TNT GV	0.13	Non-woven	Semi-transparent	Pure acrylic	Havana silicone glassine paper
BS 22.01	0.15	Non-woven	Semi-transparent	Pure acrylic	Havana silicone glassine paper
BS POL 12 AS	0.10	PET film	Transparent	Modified acrylic	White silicone glassine paper
BS FIX 220.012 BPE	0.17	PET film	Transparent	Pure acrylic	White double-sided silicone PE coated paper
BS FIX 220.012 TW	0.17	PET film	Transparent	Pure acrylic	White silicone glassine paper



Splicing
of release papers

Product	Thickness (mm)	Carrier	Carrier colour	Adhesive	Liner
BS SPLICE 60 R MONO DARK BLUE	0.05	Kraft paper	White	Acrylic	White silicone glassine paper
BS SPLICE 613	0.10	Paper laminate	Green	Modified acrylic	White silicone glassine paper
CARTA LISCIA/S	0.15	Smooth paper	White	Natural rubber	-
MS PAPER 21.02 H	0.16	Siliconized Kraft paper	Amber	Pure acrylic	-
MS 3739-BLUE	0.16	Semi extensible repulpable siliconized paper	-	Acrylic	-



Splicing
of film

Product	Thickness (mm)	Carrier	Carrier colour	Adhesive	Liner
BS TNT 22.12	0.09	Non-woven	Semi-transparent	Pure acrylic	Havana silicone glassine paper
BS TOP TAPE HQ	0.09	Non-woven	Semi-transparent	Pure acrylic	White silicone glassine paper
BS TRANS H	0.10	Non-woven	Semi-transparent	Synthetic rubber	Brown silicone glassine paper
BS TNT GV	0.13	Non-woven	Semi-transparent	Pure acrylic	Havana silicone glassine paper
BS 22.01	0.15	Non-woven	Semi-transparent	Pure acrylic	Havana silicone glassine paper
BS SPLICE 1053 RED	0.14	Paper	Red	Natural rubber and resins	White silicone glassine paper
BS FIX 220.012 BPE	0.17	PET film	Transparent	Pure acrylic	White double-sided silicone PE coated paper
BS POL 12 AS	0.10	PET film	Transparent	Modified acrylic	White silicone glassine paper
BS FIX 220.012 TW	0.17	PET film	Transparent	Pure acrylic	White silicone glassine paper



Splicing
of silicone-coated materials

Product	Thickness (mm)	Carrier	Carrier colour	Adhesive	Liner
MS SILITAPE HQ	0.10	One side fluoro-silicone PET film	Transparent	Silicone	-
MS SILITAPE T ORANGE	0.10	PET film	Orange	Silicone	-
MS SILITAPE TRASP	0.10	PET film	Transparent	Silicone	-



Roller and cylinder wrapping

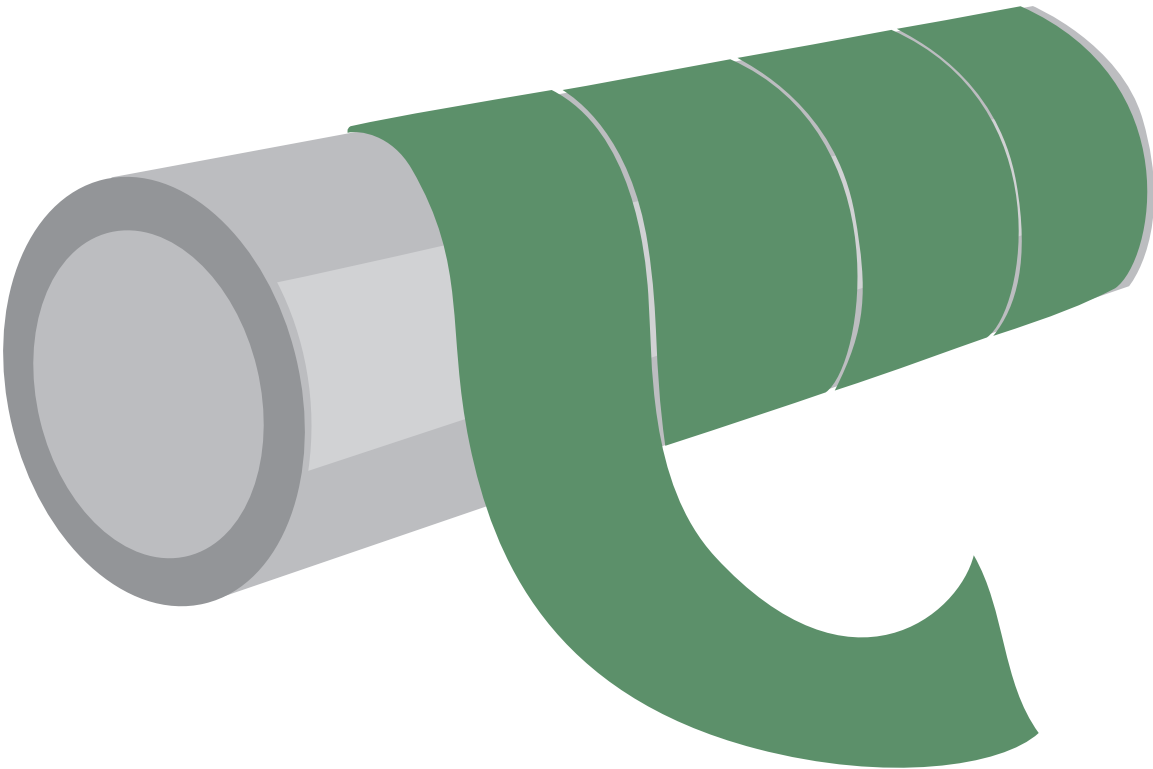
Roller/cylinder wrapping adhesive tape is used in **printing, converting** and **web processing** of different substrates such as film and paper to avoid glue, ink or other deposits, to facilitate material movement, and to reduce machine noise levels.

Depending on the needs and specific properties required, wrapping tapes offer **various anti-stick surfaces**, smooth and embossed, which both ensure **excellent grip and traction**

for keeping the right web tension. The embossed adhesive tape provides higher slippage resistance and reduced contact surface, and is therefore ideal for adhesive films.

BiesSse tapes have high cohesion strenght, are flexible and easily removable. They ensure **perfect adhesion** to the rollers/cylinders, and **high resistance to temperature, humidity and wear**.

Product	Thickness (mm)	Carrier	Carrier colour	Adhesive	Liner
MS COVER TAPE FLAT	0.38	Silicone-coated cloth	Grey	Natural rubber	Transparent red PP film
MS COVER TAPE EMBOSSED	0.62	Silicone-coated embossed cloth	Grey	Natural rubber	Transparent red PP film

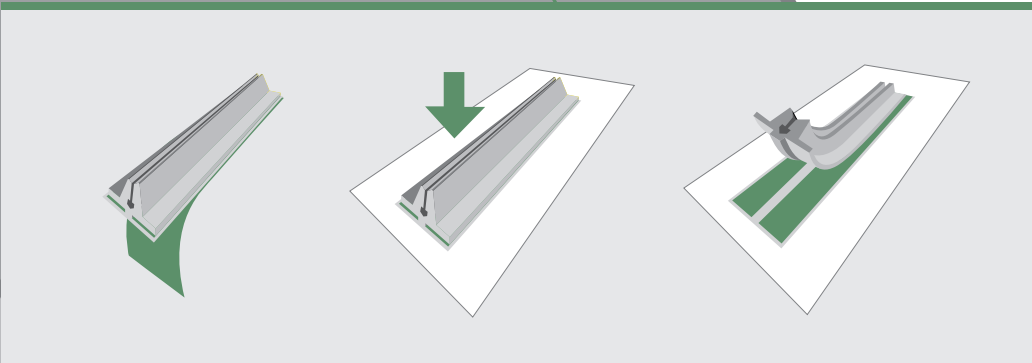


Creasing matrix application

When **creasing corrugated cardboard**, adhesive tape enables to fix creasing matrix to the die-cutting plate. The tape must ensure **excellent resistance to stress** occurring in the cardboard creasing process, high adhesion on **different surfaces**, and compatibility with the plastic materials used for creasing matrix.

The BiesSse product range offers a good balance between adhesion and cohesion, ensuring **outstanding adhesion on the plates during the whole process**. The products are also available with **fingerlift liners** to facilitate liner removal and cut application times.

Product	Thickness (mm)	Carrier	Carrier colour	Adhesive	Liner
BS 26.03	0.13	PET film	Transparent	Modified acrylic	Havana silicone glassine paper
BS 26.05	0.13	PET film	Transparent	Modified acrylic	Havana silicone glassine paper
BS FIRM 100 DS	0.10	PVC film	Transparent	Natural rubber	Havana silicone glassine paper
BS FIRM 100 DS LA	0.10	PVC film	Transparent	Natural rubber	Havana silicone glassine paper





Bag and envelope sealing

In the production of **paper, polyethylene, polypropylene and PVC bags**, sealing adhesive tape is used as an alternative to glue coating.

BiesSse sealing adhesive tapes differ according to their adhesion and humidity and temperature resistance requirements of the application.

The products are **available also with fingerlift liner**, easy to remove, and are normally supplied spool-wound, in lengths up to 10,000 m.



Self-sealing sterilization closure

BiesSse medical bag sealing tapes for autoclaving of surgical and orthodontic instruments offer **high adhesive performance**, high tack, and **resistance to high temperatures** and humidity.



Permanent closure

Permanent sealing double-sided adhesive tape is characterized by high adhesive performance, **high initial tack** and **excellent resistance** to cutting and humidity.

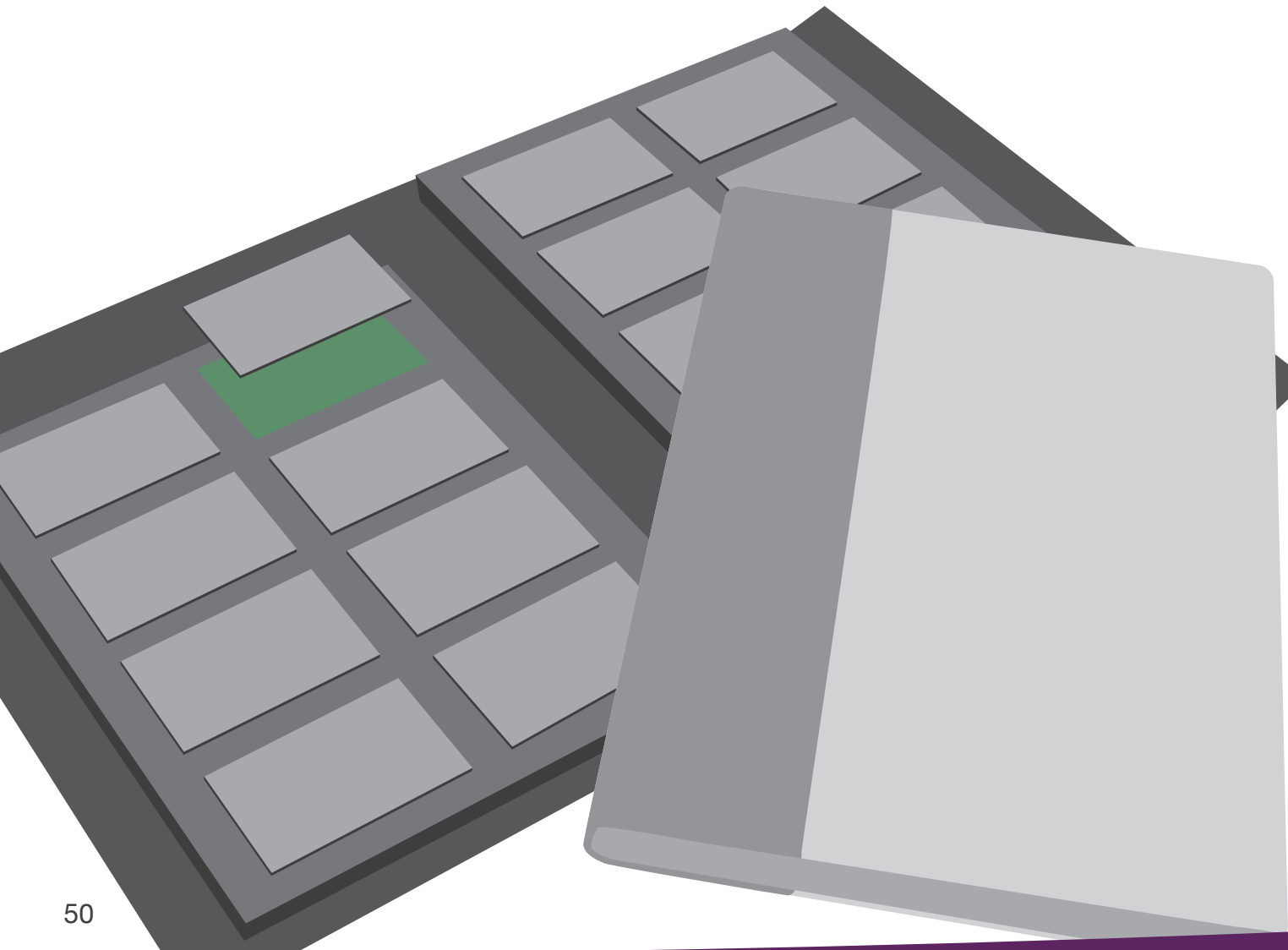
Product	Thickness (mm)	Carrier	Carrier colour	Adhesive		Liner	Self-sealing sterilization closure	Permanent closure
BS CLOSEBAG HA	0.10	BOPP film	Transparent	Synthetic rubber		Red silicone PP film		●
BS POL 8414	0.07	PET film	Transparent	Synthetic rubber		White silicone glassine paper	●	
BS POL 12 AS	0.10	PET film	Transparent	Modified acrylic		White silicone glassine paper		●



Sample mounting

BiesSse adhesive tapes for permanent sample fixing to **sample books/boards, binders and swatch cards** ensure **excellent adhesion to different materials** such as curtains, furnishing fabrics, carpeting, wood, glass, Plexiglas laminates, and more.

Product	Thickness (mm)	Density	Carrier	Carrier colour	Adhesive	Liner
BS PLAST H	0.09	-	BOPP film	-	Synthetic rubber	Brown silicone paper
BS TRANS H	0.10	-	Non-woven	Semi-transparent	Synthetic rubber	Brown silicone glassine paper
BS TNT GV	0.13	-	Non-woven	Semi-transparent	Pure acrylic	Havana silicone glassine paper
BS 121 HQ WHITE	0.90	Low	PE foam	White	Modified acrylic	Havana silicone glassine paper
BS 26.01	0.21	-	PET film	Transparent	Modified acrylic	Red silicone PP film



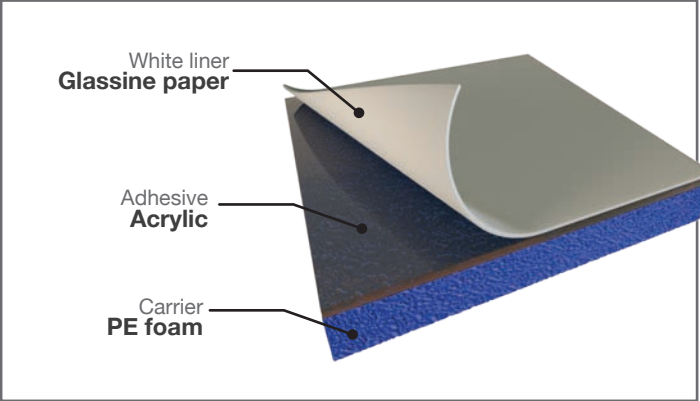
BiesSse solutions for flexographic printing Cushion foams

MS FOAM

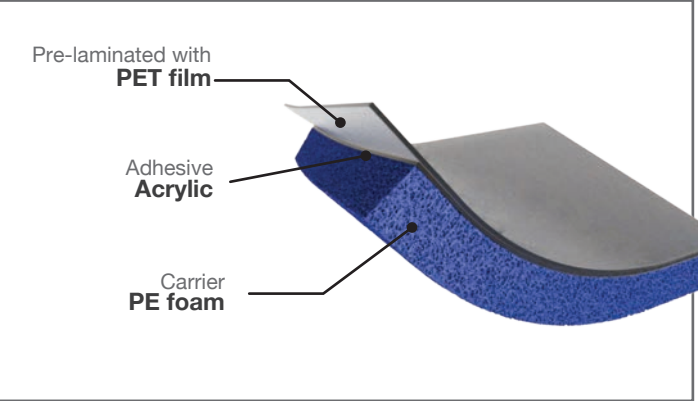
The BiesSse MS FOAM range is mainly used for **high-quality flexo post-printing of corrugated board**. The closed-cell polyethylene foam backing offers **high resistance and resilience**, thus optimizing print process and quality. It allows for the reduction of the thickness of the printing plates, ensures 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 and two colors, blue and red: **MS FOAM SA** (Self-Adhesive) self-adhesive foam with paper liner, and **MS FOAM PET** with polyester film laminated foam.

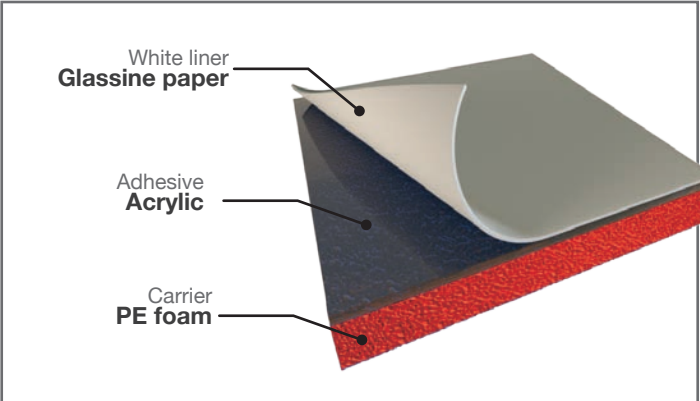
MS FOAM SA BLUE



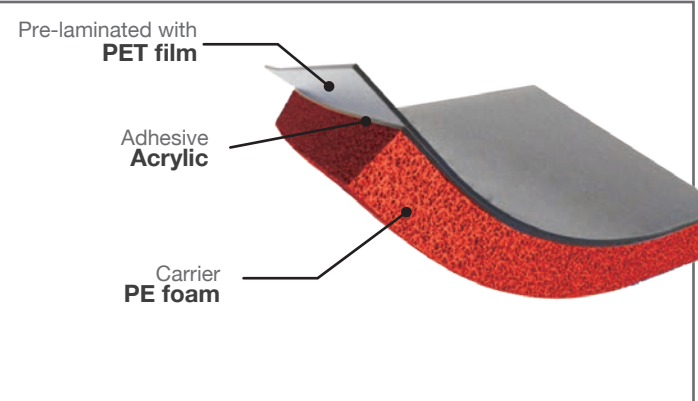
MS FOAM PET BLUE



MS FOAM SA RED



MS FOAM PET RED



Minimum guaranteed total thickness (foam+adhesive)	MS FOAM SA BLUE /RED
1.10 mm (43 mils)	MS FOAM 1100 SA BLUE/RED
1.40 mm (55 mils)	MS FOAM 1400 SA BLUE/RED
1.70 mm (67 mils)	MS FOAM 1700 SA BLUE/RED
2.10 mm (83 mils)	MS FOAM 2100 SA BLUE/RED
2.60 mm (102 mils)	MS FOAM 2600 SA BLUE/RED

Minimum guaranteed total thickness (foam+adhesive+PET)	MS FOAM PET BLUE/RED
1.35 mm (53 mils)	MS FOAM 1100 PET BLUE/RED
1.65 mm (65 mils)	MS FOAM 1400 PET BLUE/RED
1.95 mm (77 mils)	MS FOAM 1700 PET BLUE/RED
2.35 mm (92 mils)	MS FOAM 2100 PET BLUE/RED
2.85 mm (112 mils)	MS FOAM 2600 PET BLUE/RED

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

Cushion tapes

BS MOUNT

The BiesSse range of cushion adhesive tapes has been developed to meet the demands of **high quality flexo printing**.

The products are characterised by a **foam carriers of different compressibilities and thicknesses**, combined with different adhesive types and liners.

The innovative formulation of the highly resilient BiesSse foam ensures maximum printing quality, even with the most technically advanced and complex designs.

The BiesSse BS MOUNT range is used in **flexo printing of labels, flexible packaging, and cardboard** (pre-print). It consists of **8 adhesive combinations, 2 thicknesses range and 10 compressibilities**, identified by specific colours to guide the user in choosing the most suitable product.

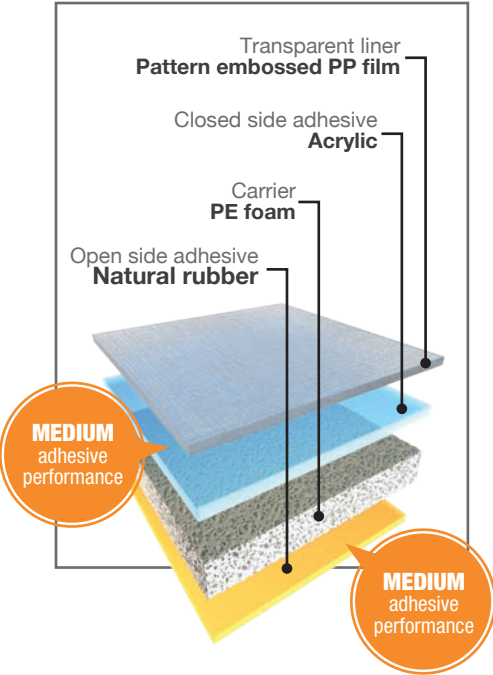
Product advantages:

- High resilience foam
- High adhesion and clean removal
- High performance embossed liner
- Excellent printing results at very high speed and long print runs

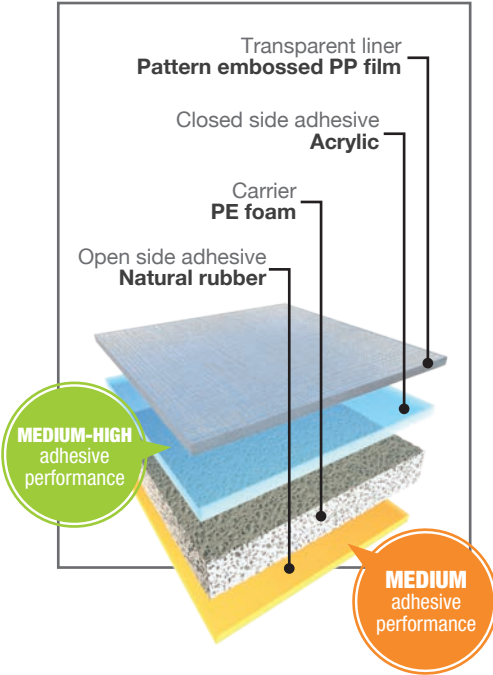
	PLATINUM	TITANIUM	US	TPS-LT	TITANIUM OPP	NW-CN	TT	TPS
BS MOUNT 15.150								
BS MOUNT 15.200								
BS MOUNT 15.250								
BS MOUNT 15.300								
BS MOUNT 20.100								
BS MOUNT 20.150								
BS MOUNT 20.200								
BS MOUNT 20.250								
BS MOUNT 20.275								
BS MOUNT 20.300								
BS MOUNT 60.250								

Carrier colour Transparent liner

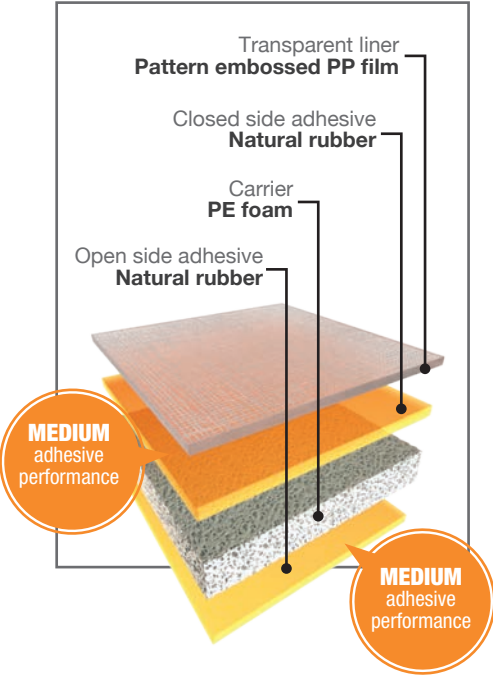
BS MOUNT PLATINUM



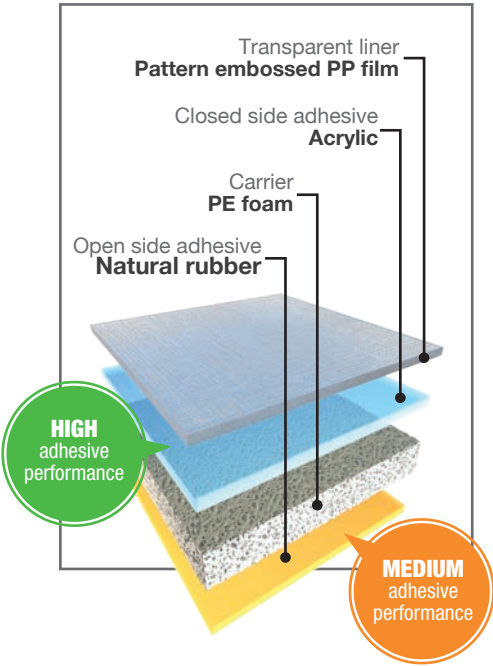
BS MOUNT TITANIUM



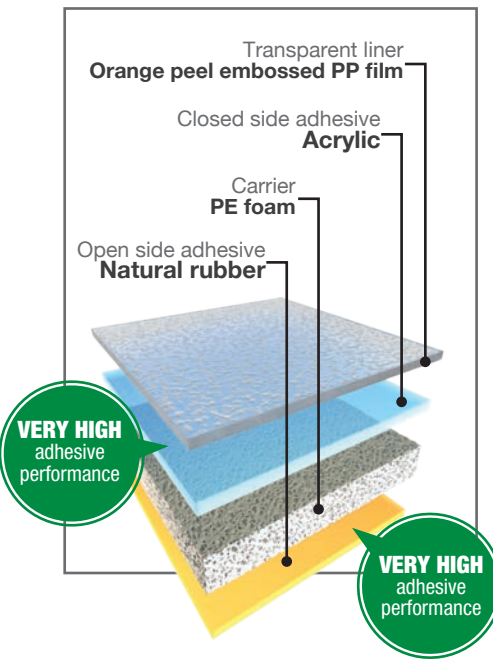
BS MOUNT US



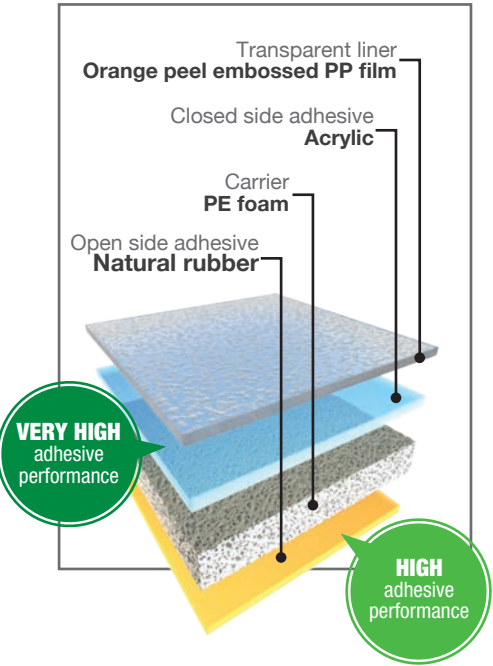
BS MOUNT TPS-LT



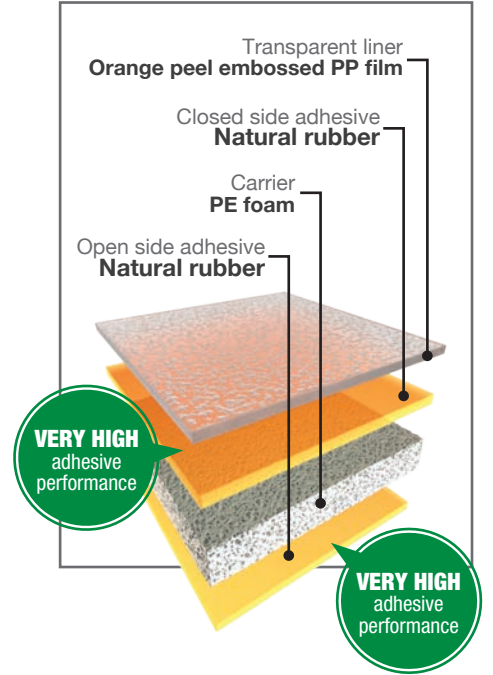
BS MOUNT TITANIUM OPP



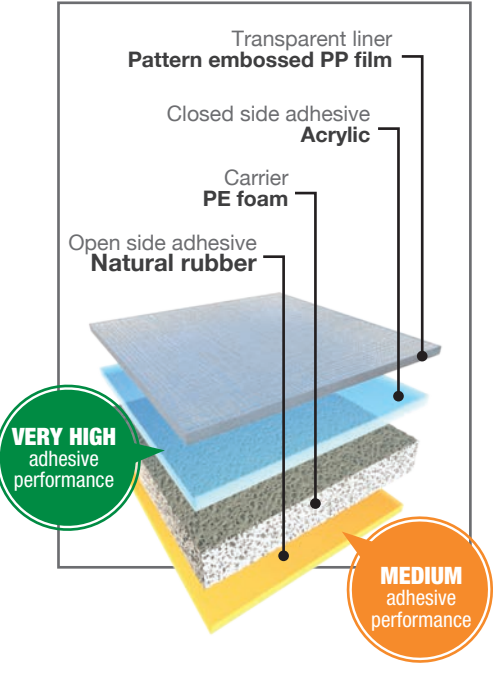
BS MOUNT NW-CN



BS MOUNT TT



BS MOUNT TPS



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**.

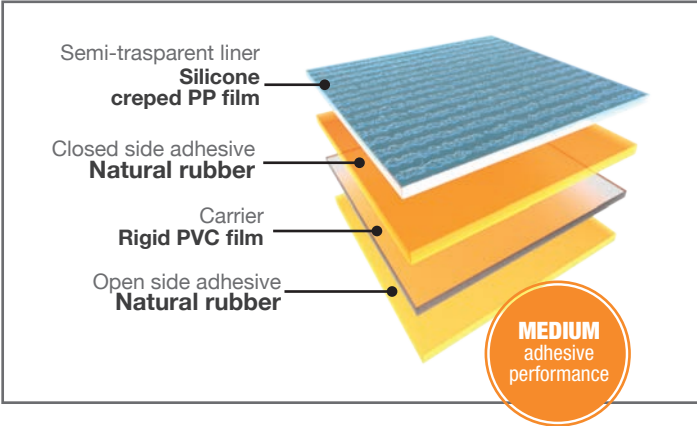
BS FIRM

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.

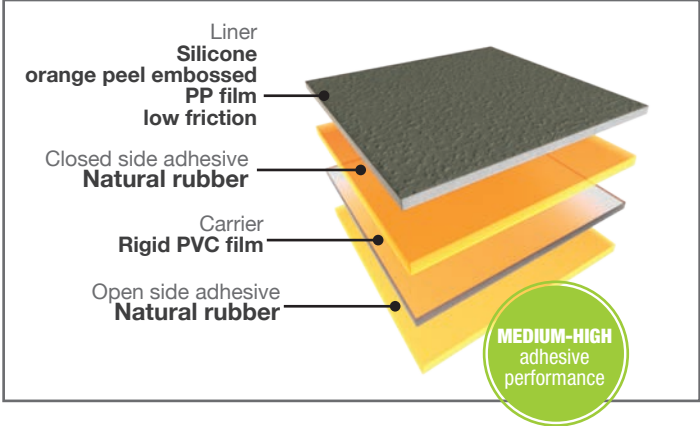
Prodotto	EP	OPP LF	B	DS
BS FIRM 100				
BS FIRM 150				
BS FIRM 200				
BS FIRM 250				
BS FIRM 300				

Carrier colour Liner colour

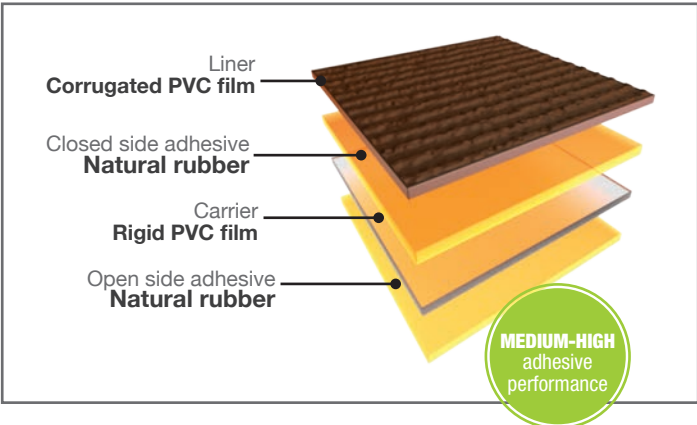
BS FIRM EP



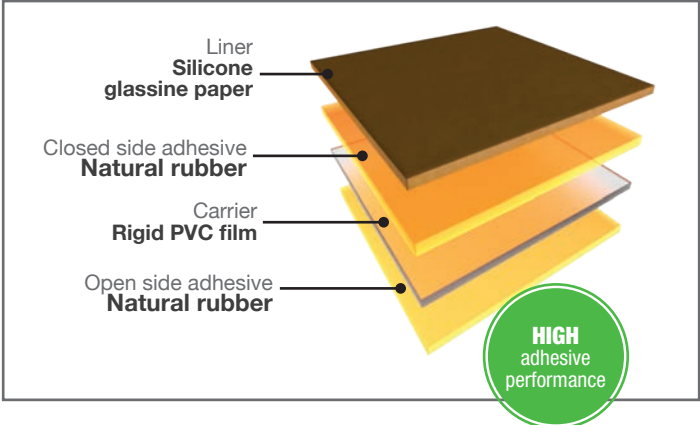
BS FIRM OPP LF



BS FIRM B



BS FIRM DS



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**.

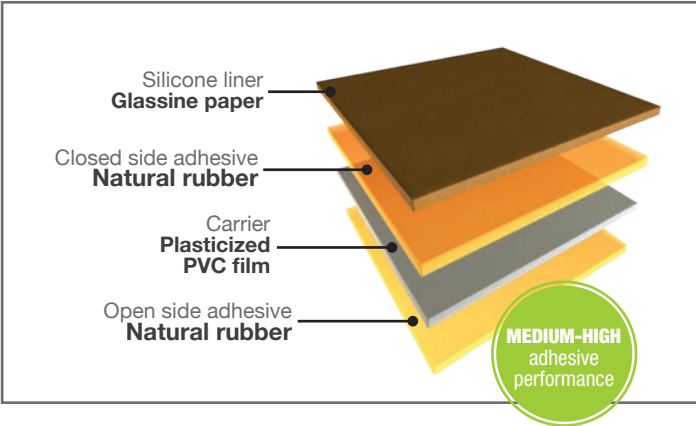
BS FLEX

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**.

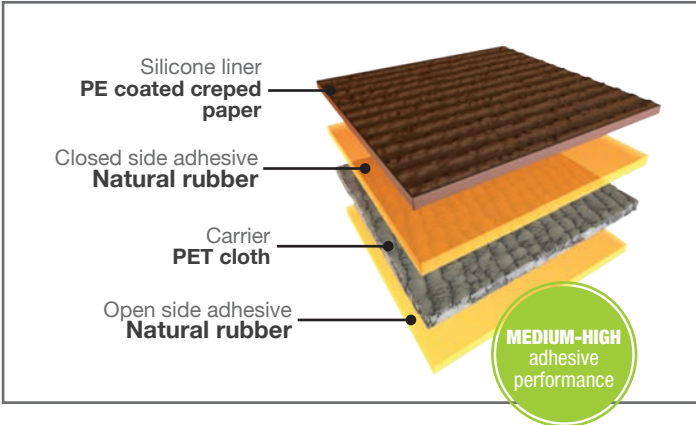
Product	SOFT	LC	FLAT
BS GRAFIX 300			
BS FLEX 380			
BS FLEX 400			

Carrier colour Liner colour

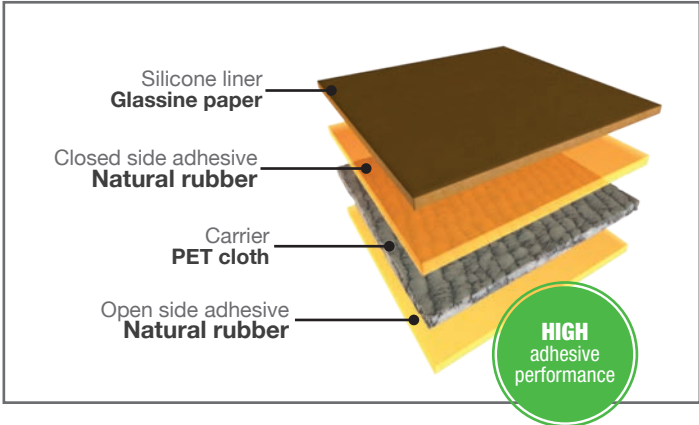
BS GRAFIX SOFT



BS FLEX LC



BS FLEX FLAT



BiesSse solutions for flexographic printing

Cushion

Cushion



	Plate thickness				Application				Plate support			
Product	Low	Medium	High		Wide Web	Narrow Web	Pre-print	Post-print	Steel cylinder	Aluminium cylinder	Pre-mounting on Mylar® sheet	Rigid sleeve
BS MOUNT PLATINUM	●				●	●	●		●	●		●
BS MOUNT TITANIUM	●	●			●		●		●	●		●
BS MOUNT US		●	●		●	●	●		●	●		●
BS MOUNT TPS-LT	●	●			●		●		●	●		●
BS MOUNT TITANIUM OPP		●	●		●		●		●	●		●
BS MOUNT NW-CN	●	●	●			●			●			●
BS MOUNT TT		●	●		●	●	●		●			●
BS MOUNT TPS		●	●		●	●	●		●	●		●
MS FOAM SA		●	●					●			●	
MS FOAM PET		●	●					●			●	

Rigid

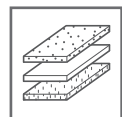
	BS FIRM EP		●	●			●		●		●	●
	BS FIRM OPP LF		●				●		●		●	●
	BS FIRM B		●	●		●	●	●	●	●	●	●
	BS FIRM DS		●	●		●	●	●	●	●		●
	BS FIRM GREEN		●			●	●			●		

Soft

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

● Ideal ● Suitable

Application recommendations



Be acquainted with the characteristics of the application surface to determine the compatibility of the adhesive tape.



Adequately prepare the surface before applying the adhesive tape to prevent adhesion defects.

- Avoid surfaces that have been treated or contaminated with anti-adhesives (such as paints and additives).
- Make sure the surface is dry, clean and free of grease
- Clean the surface using a non-aggressive solvent (such as isopropyl alcohol), which respects the characteristics of the adhesive and does not restrict the holding performance.
- Continue cleaning with a clean cloth to ensure that the surface is perfectly dry



Consider the features of the adhesive tape to choose the solution that best suits your needs (composition, thickness, width, colour, functionality, application mode, etc.)



Apply the adhesive tape correctly to ensure the best performance

- Apply a uniform and constant pressure on the whole surface to be bonded for an optimal contact between the substrate and the adhesive, resulting in better adhesion.
- Comply with the minimum contact time required by the adhesive
- Determine the quantity of adhesive tape required to withstand the required loads with practical tests under operating conditions



Check application and storage temperature

- Consider that temperature affects the adhesive tape performances
- Maintain the storage temperature preferably between 15 and 25°C, with relative humidity not exceeding 65%. Avoid direct exposure to heat and light. In case of storage at lower temperatures, recondition the tape at room temperature before use



Respect the shelf life of the adhesive tape

- Consider that the functional features of adhesive tapes are maintained for a period generally of not less than 12 months (except in the case of specific requirements of the manufacturer)

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.

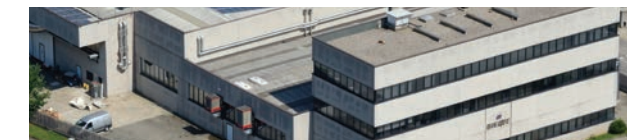
BiesSse's mission is to develop **integrated solutions** by anticipating the more and more demanding future market requirements, and to innovate the most challenging industrial processes by supporting customers in their search for the most suitable solutions that complying with their requirements.

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 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.

BiesSse Tape Solutions S.p.A.

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info.tapes@biesSseworld.com



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Your challenges, our mission

Process innovation through:

Tape solutions

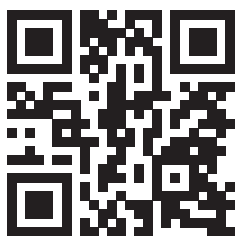
Highly performing technical adhesive tapes
for the most challenging industrial applications

Equipment solutions

Cutting-edge proprietary equipment
for adhesive tapes applications

Software solutions

Multiplatform, user-friendly software
supporting industrial automation



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