

# **BIENNE**<sup>®</sup>

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

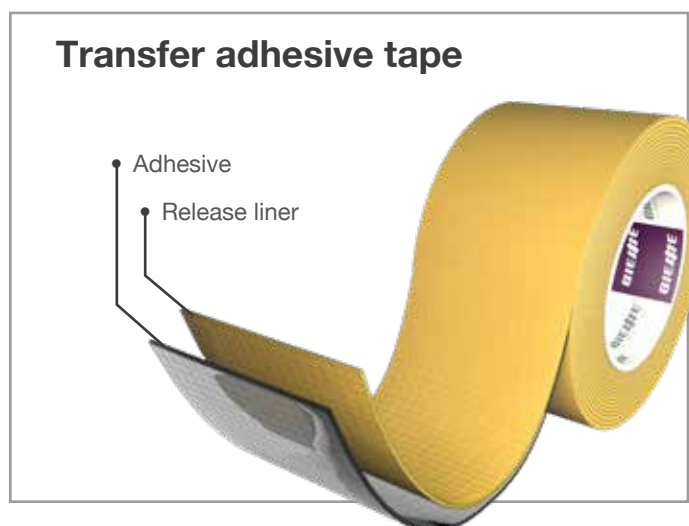
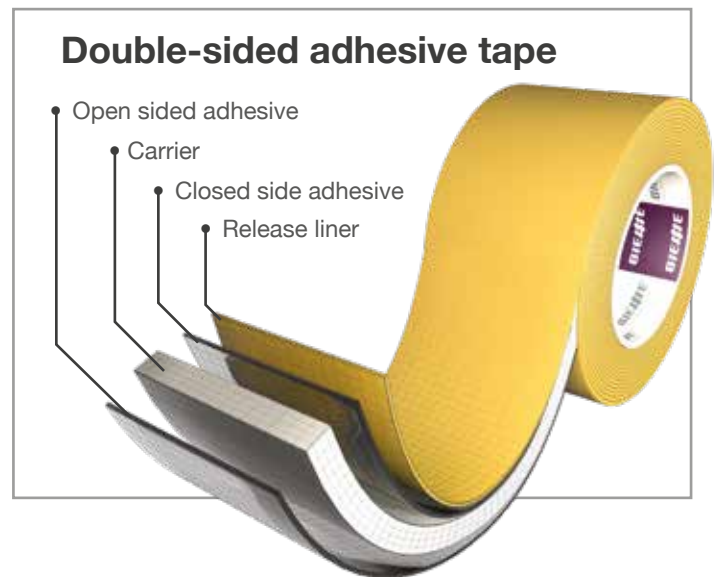
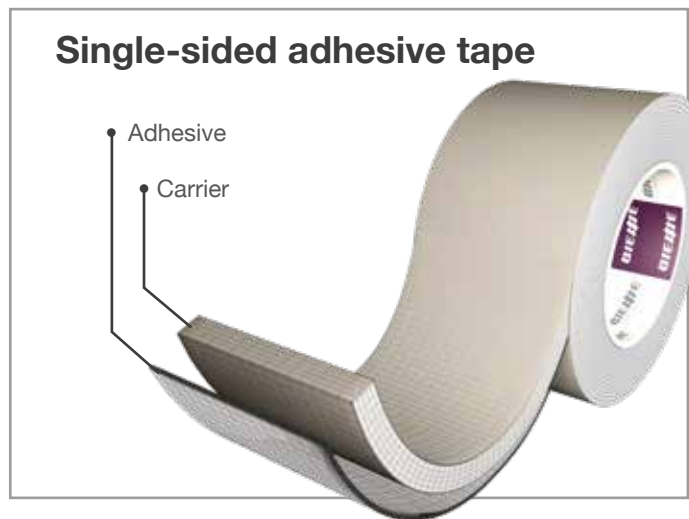
The adhesive tapes developed by BiesSse are **pressure sensitive** (PSA). No solvents, water or heat are required to activate the adhesive. The adhesion to the surface depends on the amount of pressure applied to the tape.

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.

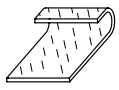
### Carrier

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.

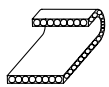
## Types of carriers



### 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**.

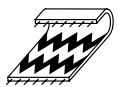
| Backing material     | Elongation capability | Temperature resistance | Conformability | Chemical resistance |
|----------------------|-----------------------|------------------------|----------------|---------------------|
| PET film             |                       |                        |                |                     |
| 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**.

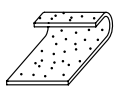
| Backing material | Elongation capability | Temperature resistance | Conformability | Chemical resistance |
|------------------|-----------------------|------------------------|----------------|---------------------|
| PET fabric       |                       |                        |                |                     |
| Cloth tissue     |                       |                        |                |                     |



### Non-woven fabric

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

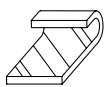
| Backing material | Elongation capability | Temperature resistance | Conformability | Chemical resistance |
|------------------|-----------------------|------------------------|----------------|---------------------|
| Non-woven fabric |                       |                        |             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



### 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                                      |                |                  |              |                  |          |
| Cohesion                                  |                |                  |              |                  |          |
| Adhesion                                  |                |                  |              |                  |          |
| Temperature resistance                    |                |                  |              |                  |          |
| Moisture resistance                       |                |                  |              |                  |          |
| UV resistance                             |                |                  |              |                  |          |
| Solvents resistance                       |                |                  |              |                  |          |
| Use for outdoor applications              |                |                  |              |                  |          |
| Use on low surface energy (LSE) materials |                |                  |              |                  |          |
| Ageing resistance                         |                |                  |              |                  |          |

## Types of liners

|                     |                                       | Glassine paper | Double-sided PE coated paper | PVC film     | PE film | PP film | PET film |
|---------------------|---------------------------------------|----------------|------------------------------|--------------|---------|---------|----------|
|                     | Features                              | Paper liner    |                              | Filmic liner |         |         |          |
| Release             | 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.

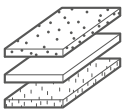


### Die-cutting

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

A close-up, low-angle shot of a car's front end, focusing on the headlight and grille. The car is dark-colored, possibly black or dark blue. The headlight is illuminated, casting a bright glow. The grille features horizontal slats. The background is a soft, out-of-focus blue and purple gradient. The overall mood is sleek and modern.

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# 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**.



## 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.



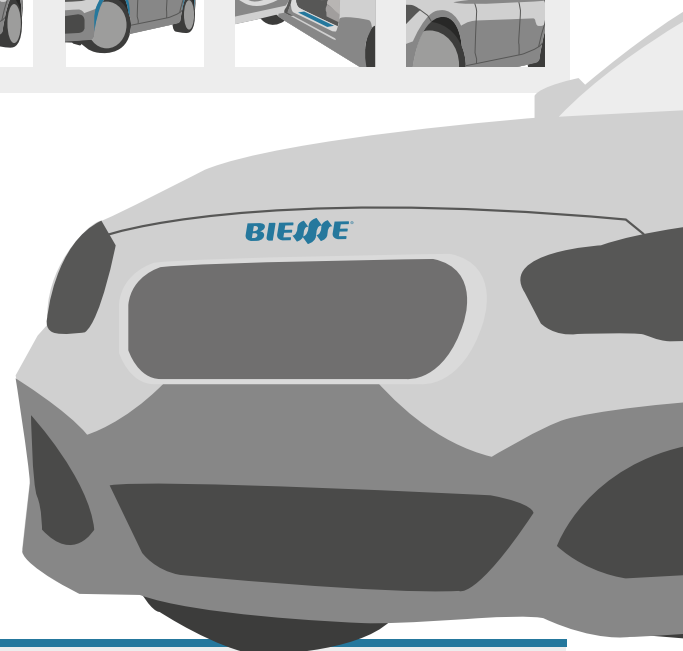
## Wheel balancing

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**.



## Masking

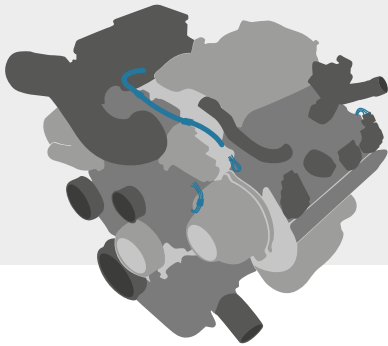
Our masking tapes provide **safe and effective protection for car bodies and bumpers** during the painting process. All the tapes in the range are characterised by extremely resistant backing, **high adhesion and cohesion even at high temperatures**, along with good surface conformability. They also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





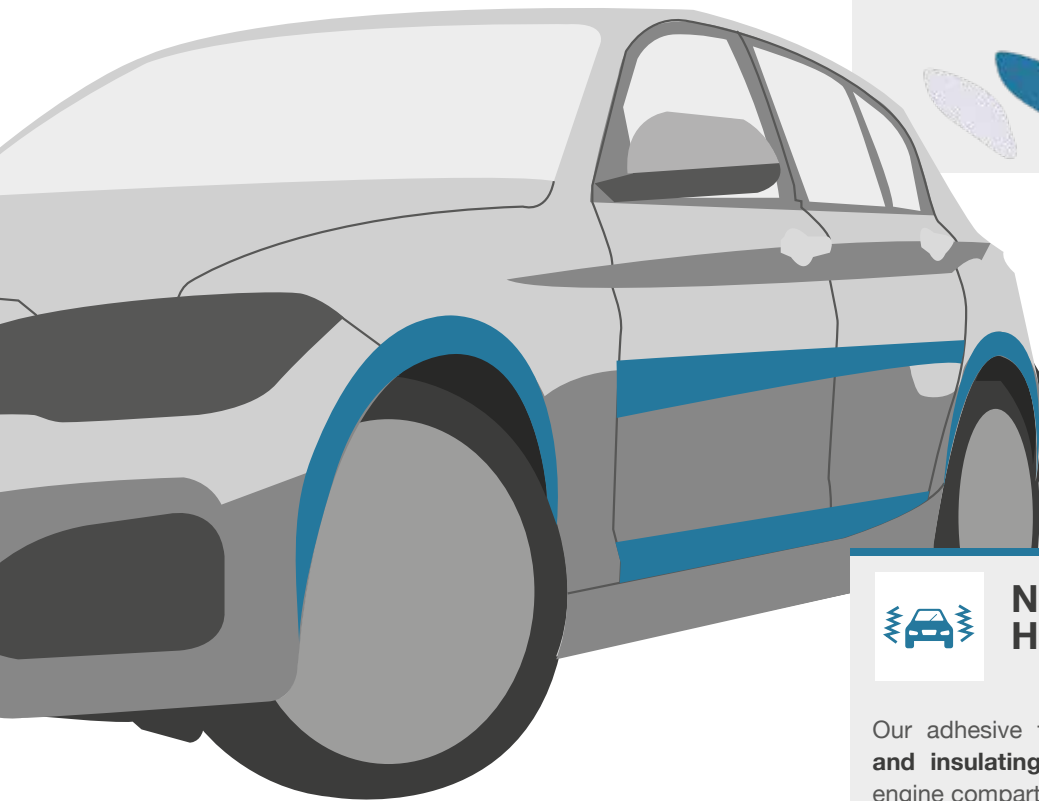
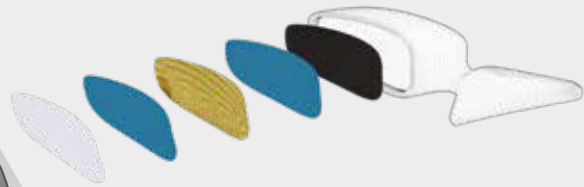
## Wiring

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.



## 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.



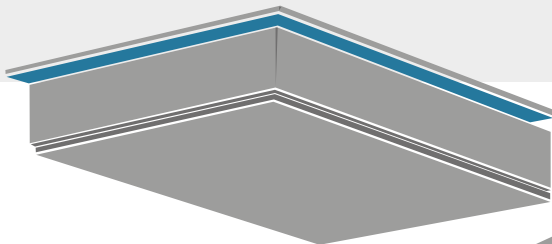


# Automotive



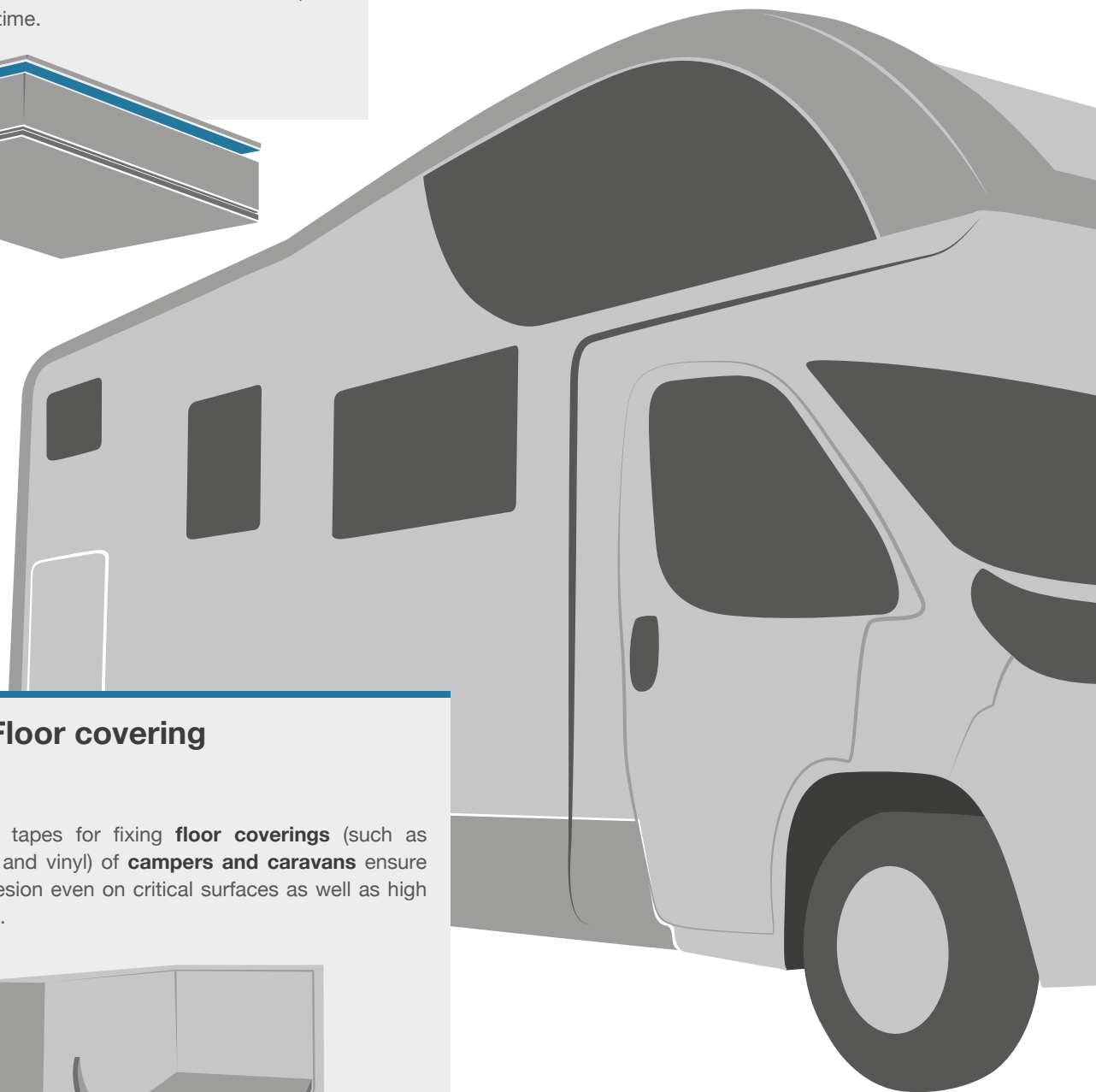
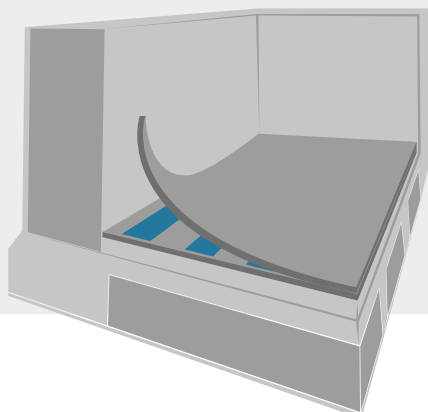
## Cover panels fitting

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

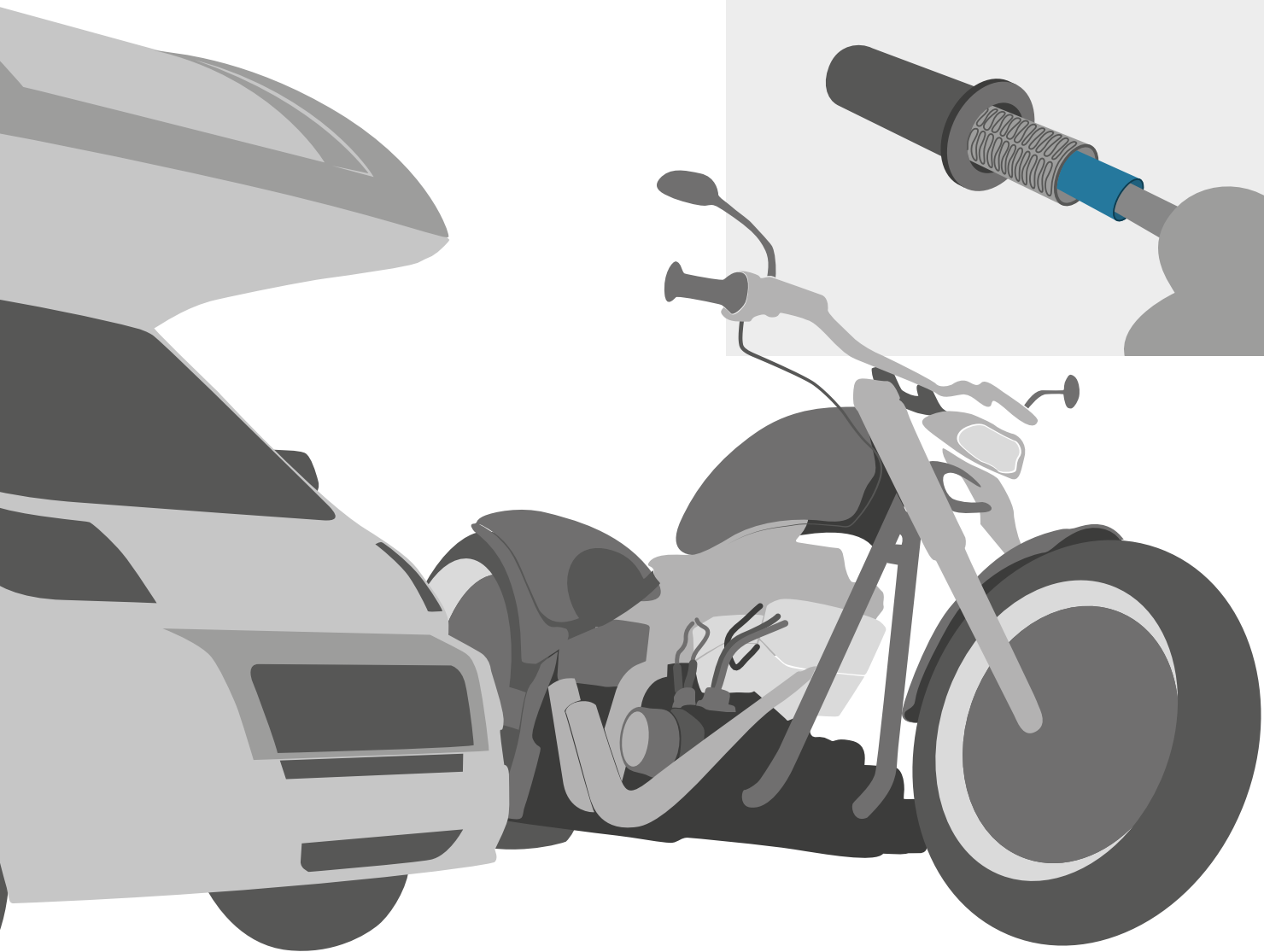
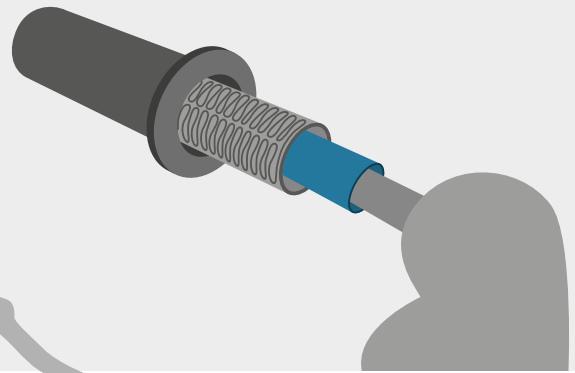
Our adhesive tapes for fixing **floor coverings** (such as carpets, PVC and vinyl) of **campers and caravans** ensure excellent adhesion even on critical surfaces as well as high conformability.





## 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         |
|------------------------|----------------|-------------|-------------------------|------------------|------------------|
| MS ALU 37 A            | 0.08           | -           | Aluminium               | Aluminium        | Modified acrylic |
| MS ALPOL               | 0.09           | -           | Aluminium + PET film    | Aluminium        | Pure acrylic     |
| BS GARZ HT             | 0.25           | -           | Cloth Tissue            | White            | Synthetic rubber |
| 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     |
| BS TOP TAPE HQ         | 0.09           | -           | Non-woven               | Semi-transparent | Pure acrylic     |
| BS TNT GV              | 0.13           | -           | Non-woven               | Semi-transparent | Pure acrylic     |
| BS 22.01               | 0.15           | -           | Non-woven               | Semi-transparent | Pure acrylic     |
| BS 130 WHITE ABS-PC    | 0.30           | High        | PE foam                 | White            | Modified acrylic |
| BS 130 WHITE BLUE      | 0.30           | High        | PE foam                 | White            | Modified acrylic |
| BS 120 A WHITE         | 0.90           | Low         | PE foam                 | White            | Pure acrylic     |
| BS 121 A WHITE         | 0.90           | Medium-high | PE foam                 | White            | Pure acrylic     |
| BS 121 BLACK           | 0.90           | Medium-high | PE foam                 | Black            | Pure acrylic     |
| BS 121 HQ WHITE        | 0.90           | Low         | PE foam                 | White            | Modified acrylic |
| BS 121 W3              | 0.90           | Low         | PE foam                 | Black            | Modified acrylic |
| BS 121 W6              | 0.90           | Low         | PE foam                 | Black            | Pure acrylic     |
| BS 121 WHITE GREEN     | 0.90           | Medium-high | PE foam                 | White            | Pure acrylic     |
| BS 121/200 BLACK GREEN | 0.90           | High        | PE foam                 | Black            | Pure acrylic     |
| BS 123 WHITE GREEN     | 1.70           | Medium-high | PE foam                 | White            | Pure acrylic     |
| BS FLEX 380 FLAT       | 0.38           | -           | PET cloth               | White            | Natural rubber   |
| MS FIX 50 FLAT         | 0.08           | -           | PET film                | Transparent      | Modified acrylic |
| BS POL 12 AS           | 0.10           | -           | PET film                | Transparent      | Modified acrylic |
| MS INTER TAPE          | 0.10           | -           | PET film                | Green            | Silicone         |
| MS INTER TAPE ACC      | 0.10           | -           | PET film                | Green            | Silicone         |
| BS 26.05               | 0.13           | -           | PET film                | Transparent      | Modified acrylic |
| BS FIX 220.012 TW      | 0.17           | -           | PET film                | Transparent      | Pure acrylic     |
| BS 26.04               | 0.19           | -           | PET film                | Transparent      | Pure acrylic     |
| BS 26.04 BPE           | 0.19           | -           | PET film                | Transparent      | Pure acrylic     |
| BS 26.01               | 0.21           | -           | PET film                | Transparent      | Modified acrylic |
| BS 26.02               | 0.21           | -           | PET film                | Transparent      | Modified acrylic |
| BS 25.03               | 0.22           | -           | PVC film                | White            | Modified acrylic |

| Liner                          | Attachment parts mounting | Wheel balancing | Masking | Wiring | Rear-view mirror assembling | NVH | Cover panels fitting | Floor covering | Flexible foil heaters application |
|--------------------------------|---------------------------|-----------------|---------|--------|-----------------------------|-----|----------------------|----------------|-----------------------------------|
| White silicone glassine paper  |                           |                 | ●       | ●      |                             | ●   |                      |                |                                   |
| -                              |                           |                 | ●       | ●      |                             | ●   |                      |                |                                   |
| White silicone glassine paper  |                           |                 |         |        |                             |     |                      | ●              |                                   |
| -                              |                           |                 | ●       |        |                             |     |                      |                |                                   |
| -                              |                           |                 |         | ●      |                             |     |                      |                |                                   |
| Havana silicone glassine paper | ●                         |                 |         |        |                             | ●   |                      |                |                                   |
| White silicone glassine paper  | ●                         |                 |         |        |                             | ●   |                      |                |                                   |
| Havana silicone glassine paper | ●                         |                 |         |        |                             | ●   |                      |                |                                   |
| Havana silicone glassine paper | ●                         |                 |         |        |                             | ●   |                      |                |                                   |
| Havana silicone glassine paper |                           |                 |         |        | ●                           |     |                      |                |                                   |
| Blue silicone PP film          | ●                         |                 |         |        | ●                           |     |                      |                |                                   |
| Havana silicone glassine paper | ●                         |                 |         |        | ●                           |     | ●                    |                |                                   |
| Havana silicone glassine paper | ●                         |                 |         |        | ●                           |     | ●                    |                |                                   |
| Green silicone PE film         | ●                         |                 |         |        |                             |     | ●                    |                |                                   |
| Havana silicone glassine paper | ●                         |                 |         |        | ●                           |     | ●                    |                |                                   |
| Blue silicone PP film          |                           | ●               |         |        | ●                           |     |                      |                |                                   |
| Blue silicone PP film          |                           | ●               |         |        | ●                           |     |                      |                |                                   |
| Green silicone PE film         | ●                         |                 |         |        | ●                           |     | ●                    |                |                                   |
| Green silicone PE film         | ●                         |                 |         |        |                             |     |                      |                |                                   |
| Green silicone PE film         | ●                         |                 |         |        |                             |     | ●                    |                |                                   |
| Havana silicone glassine paper |                           |                 |         |        |                             |     |                      | ●              |                                   |
| White silicone glassine paper  |                           |                 |         |        |                             |     |                      |                | ●                                 |
| White silicone glassine paper  | ●                         |                 |         |        |                             |     |                      |                |                                   |
| -                              |                           |                 | ●       |        |                             |     |                      |                |                                   |
| White embossed PVC film        |                           |                 | ●       |        |                             |     |                      |                |                                   |
| Havana silicone glassine paper | ●                         |                 |         |        |                             |     |                      |                |                                   |
| White silicone glassine paper  | ●                         |                 |         |        |                             |     |                      |                |                                   |
| Red silicone PP film           | ●                         |                 |         |        |                             |     |                      |                |                                   |
| White silicone glassine paper  | ●                         |                 |         |        |                             |     |                      |                |                                   |
| Red silicone PP film           | ●                         |                 |         |        |                             |     |                      |                |                                   |
| Havana silicone glassine paper | ●                         |                 |         |        |                             |     |                      |                |                                   |
| Havana silicone glassine paper | ●                         |                 |         |        |                             |     |                      |                |                                   |



# Sailing

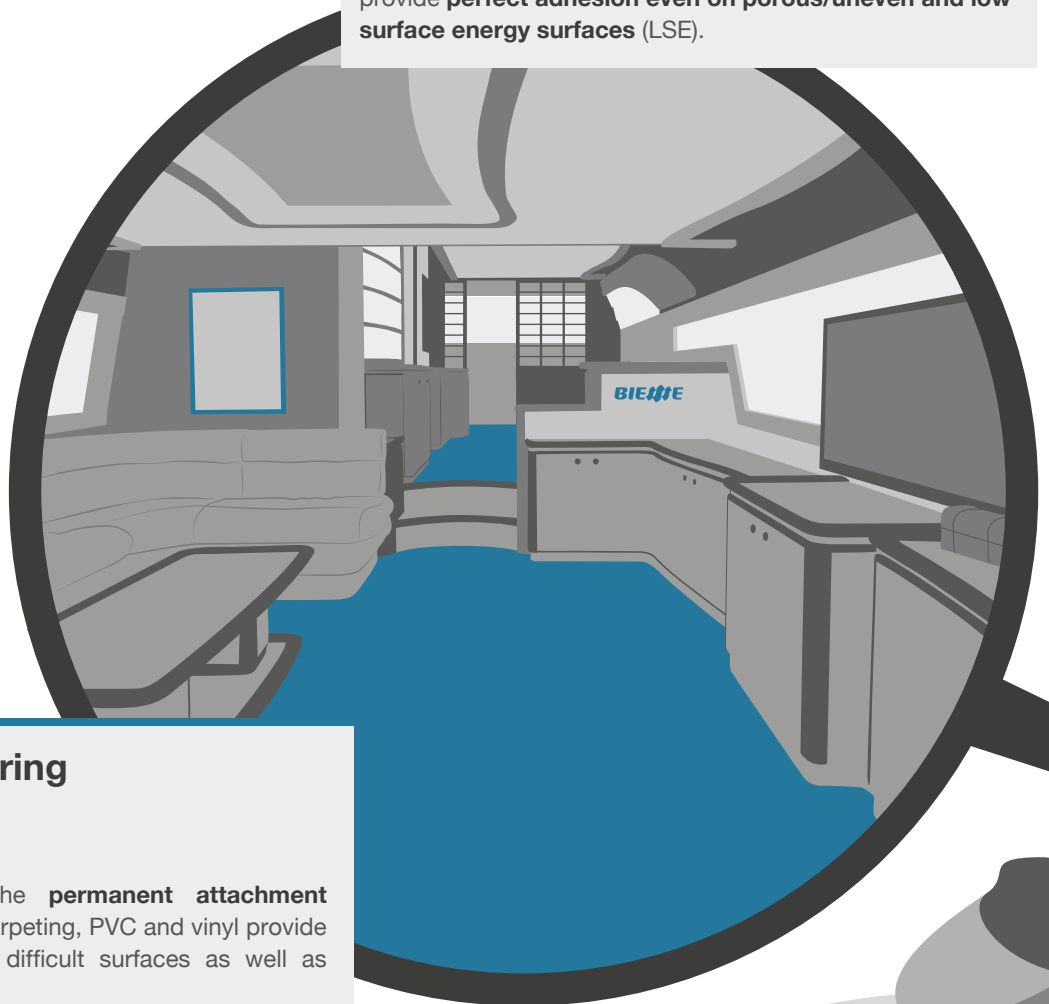
In the nautical sector, adhesive tapes are widely used in various construction phases, from masking during the painting and fixing of portholes, finishing elements and coverings, to the assembly of sails and technical fabrics.

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)**.



## 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**.



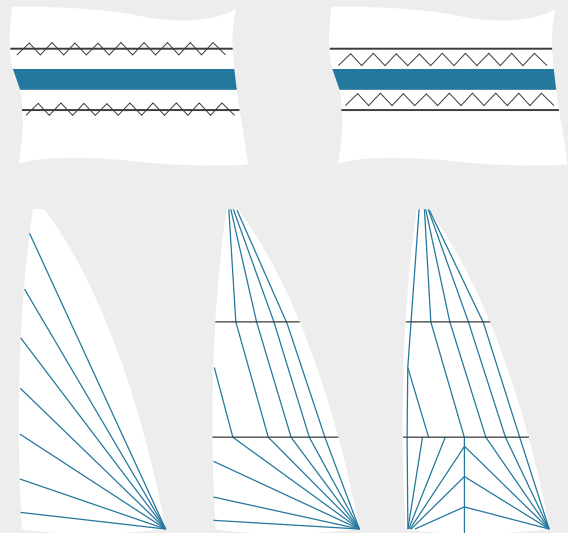
## Masking

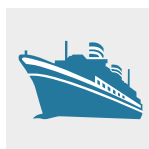
Our masking tapes are designed for **safe and effective protection of boat surfaces** during the painting process. All the tapes in the range offer extremely resistant backings, high adhesion and cohesion even at high temperatures, and **good surface conformability**. They also ensure **clean removal**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

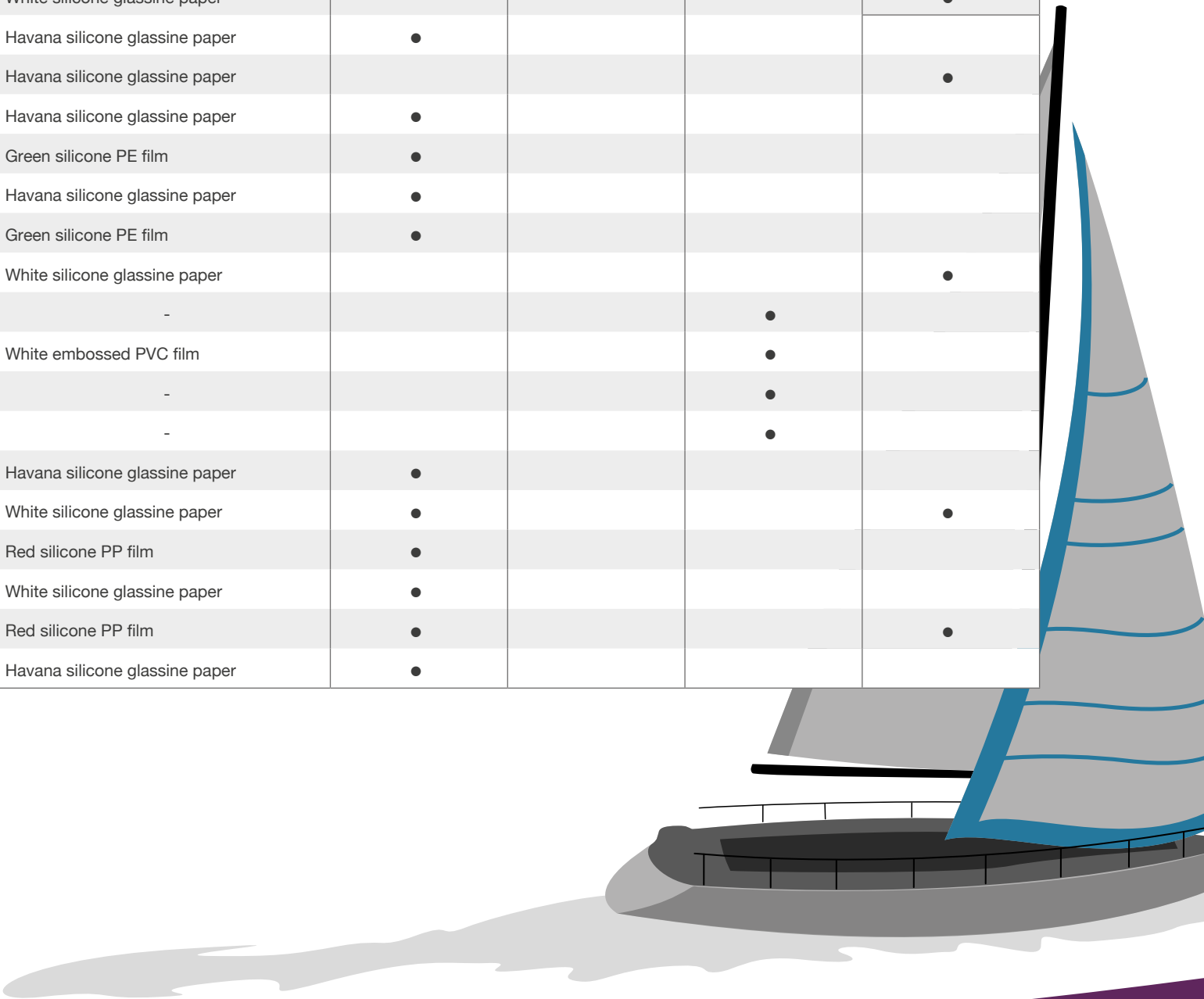




# Sailing

| Product              | Thickness (mm) | Density (Kg/m <sup>3</sup> ) | Carrier              | Carrier colour       | Adhesive         |
|----------------------|----------------|------------------------------|----------------------|----------------------|------------------|
| MS ALPOL             | 0.09           | -                            | Aluminium + PET film | Aluminium            | Pure acrylic     |
| MS PLASTEX 300       | 0.26           | -                            | PE cloth             | Black / Grey / White | Natural rubber   |
| BS FLEX 380 FLAT     | 0.38           | -                            | PET cloth            | White                | Natural rubber   |
| BS GARZ HT           | 0.25           | -                            | Cloth tissue         | White                | Synthetic rubber |
| BS TNT 22.12         | 0.09           | -                            | Non-woven            | Semi-transparent     | Pure acrylic     |
| BS TOP TAPE HQ       | 0.09           | -                            | Non-woven            | Semi-transparent     | Pure acrylic     |
| BS TNT GV            | 0.13           | -                            | Non-woven            | Semi-transparent     | Pure acrylic     |
| BS 22.01             | 0.15           | -                            | Non-woven            | Semi-transparent     | Pure acrylic     |
| BS 121 A WHITE       | 0.90           | Medium-high                  | PE foam              | White                | Pure acrylic     |
| BS 121 BLACK         | 0.90           | Medium-high                  | PE foam              | Black                | Pure acrylic     |
| BS 121 HQ WHITE      | 0.90           | Low                          | PE foam              | White                | Modified acrylic |
| BS 121 WHITE GREEN   | 0.90           | Medium-high                  | PE foam              | White                | Pure acrylic     |
| BS POL 12 AS         | 0.10           | -                            | PET film             | Transparent          | Modified acrylic |
| MS INTER TAPE        | 0.10           | -                            | PET film             | Green                | Silicone         |
| MS INTER TAPE ACC    | 0.10           | -                            | PET film             | Green                | Silicone         |
| MS SILITAPE T ORANGE | 0.10           | -                            | PET film             | Orange               | Silicone         |
| MS SILITAPE TRASP    | 0.10           | -                            | PET film             | Transparent          | Silicone         |
| BS 26.03             | 0.13           | -                            | PET film             | Transparent          | Modified acrylic |
| BS FIX 220.012 TW    | 0.17           | -                            | PET film             | Transparent          | Pure acrylic     |
| BS 26.04             | 0.19           | -                            | PET film             | Transparent          | Pure acrylic     |
| BS 26.04 BPE         | 0.19           | -                            | PET film             | Transparent          | Pure acrylic     |
| BS 26.01             | 0.21           | -                            | PET film             | Transparent          | Modified acrylic |
| BS 26.02             | 0.21           | -                            | PET film             | Transparent          | Modified acrylic |

|  | Liner                          | Fixing | Floor covering | Masking | Sail panels assembling |
|--|--------------------------------|--------|----------------|---------|------------------------|
|  | -                              |        |                | •       |                        |
|  | -                              |        |                | •       |                        |
|  | Havana silicone glassine paper |        | •              |         |                        |
|  | White silicone glassine paper  |        | •              |         |                        |
|  | Havana silicone glassine paper | •      |                |         |                        |
|  | White silicone glassine paper  |        |                |         | •                      |
|  | Havana silicone glassine paper | •      |                |         |                        |
|  | Havana silicone glassine paper |        |                |         | •                      |
|  | Havana silicone glassine paper | •      |                |         |                        |
|  | Green silicone PE film         | •      |                |         |                        |
|  | Havana silicone glassine paper | •      |                |         |                        |
|  | Green silicone PE film         | •      |                |         |                        |
|  | White silicone glassine paper  |        |                |         | •                      |
|  | -                              |        |                | •       |                        |
|  | White embossed PVC film        |        |                | •       |                        |
|  | -                              |        |                | •       |                        |
|  | -                              |        |                | •       |                        |
|  | Havana silicone glassine paper | •      |                |         |                        |
|  | White silicone glassine paper  | •      |                |         | •                      |
|  | Red silicone PP film           | •      |                |         |                        |
|  | White silicone glassine paper  | •      |                |         |                        |
|  | Red silicone PP film           | •      |                |         | •                      |
|  | Havana silicone glassine paper | •      |                |         |                        |



# BIENNE®

Your challenges, our mission



A photograph of a modern building with large glass windows and a white facade. The interior is visible through the glass, showing a living area with a sofa, a dining table, and a staircase. The building is set against a clear blue sky at dusk. A red banner is overlaid on the image, containing the text "Building INDUSTRY".

# 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**.

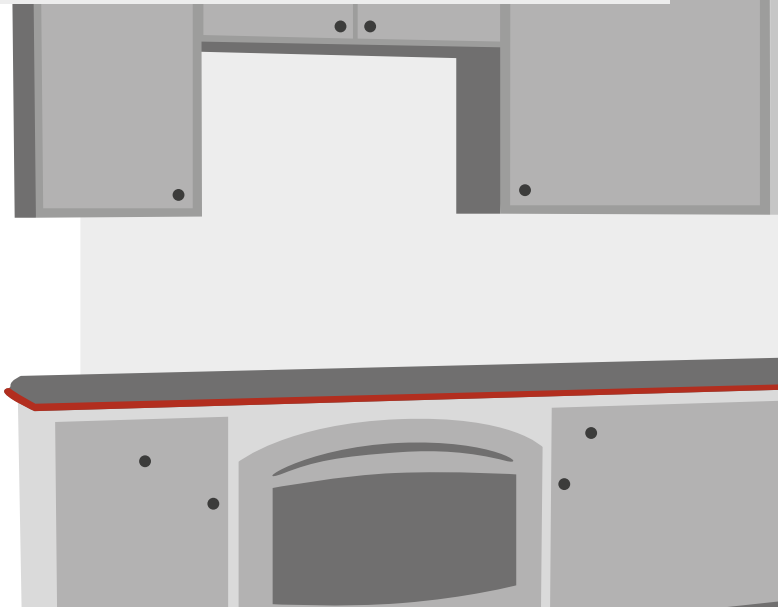
BiesSse has developed a series of specific products for the different design requirements and furniture sector needs. Our adhesive solutions are **flexible and suitable for many applications**, such as fixing of trims and decorative elements, lamination and mirror mounting.

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.



| Product            | Thickness (mm) | Density     | Carrier   | Carrier colour   | Adhesive         |
|--------------------|----------------|-------------|-----------|------------------|------------------|
| BS TNT 22.12       | 0.09           | -           | Non-woven | Semi-transparent | Pure acrylic     |
| BS TNT GV          | 0.13           | -           | Non-woven | Semi-transparent | Pure acrylic     |
| BS CLOSEBAG HA     | 0.10           | -           | BOPP film | Transparent      | Synthetic rubber |
| BS 121 A WHITE     | 0.90           | Medium-high | PE foam   | White            | Pure acrylic     |
| BS 121 BLACK       | 0.90           | Medium-high | PE foam   | Black            | Pure acrylic     |
| BS 121 WHITE GREEN | 0.90           | Medium-high | PE foam   | White            | Pure acrylic     |
| BS FIX 220.012 TW  | 0.17           | -           | PET film  | Transparent      | Pure acrylic     |
| BS 26.04           | 0.19           | -           | PET film  | Transparent      | Pure acrylic     |
| BS 26.04 BPE       | 0.19           | -           | PET film  | Transparent      | Pure acrylic     |
| BS 26.01           | 0.21           | -           | PET film  | Transparent      | Modified acrylic |
| BS 26.02           | 0.21           | -           | PET film  | Transparent      | Modified acrylic |
| BS 25.03           | 0.22           | -           | PVC film  | White            | Modified acrylic |



### 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.

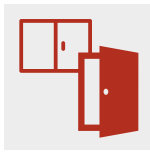


### Fixing of trims and decorative elements

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.



|  | Liner                          | Mirror mounting | Lamination | Fixing of trims and decorative elements |
|--|--------------------------------|-----------------|------------|---|
|  | Havana silicone glassine paper |                 |            | •                                       |
|  | Havana silicone glassine paper |                 |            | •                                       |
|  | Red silicone PP film           |                 | •          |   |
|  | Havana silicone glassine paper | •               |            | •                                       |
|  | Green silicone PE film         | •               |            |   |
|  | Green silicone PE film         | •               |            | •                                       |
|  | White silicone glassine paper  |                 |            | •                                       |
|  | Red silicone PP film           |                 |            | •                                       |
|  | White silicone glassine paper  |                 |            | •                                       |
|  | Red silicone PP film           |                 | •          | •                                       |
|  | Havana silicone glassine paper |                 |            | •                                       |
|  | 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.



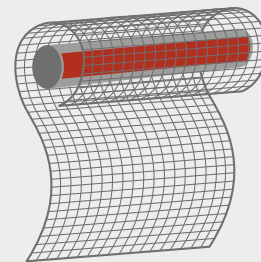
## Fixing of trims and decorative elements

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.

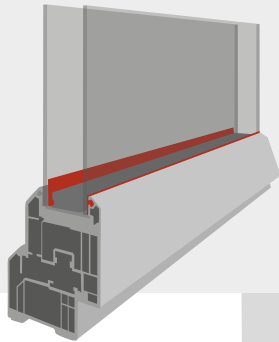


| Product             | Thickness (mm) | Density     | Carrier   | Carrier colour   | Adhesive         | Liner                          |
|---------------------|----------------|-------------|-----------|------------------|------------------|--------------------------------|
| BS TNT 22.12        | 0.09           | -           | Non-woven | Semi-transparent | Pure acrylic     | Havana silicone glassine paper |
| BS 130 WHITE ABS-PC | 0.30           | High        | PE foam   | White            | Modified acrylic | Havana silicone glassine paper |
| BS 130 WHITE BLUE   | 0.30           | High        | PE foam   | White            | Modified acrylic | Blue 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 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 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 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 25.03            | 0.22           | -           | PVC film  | White            | Modified acrylic | Havana silicone glassine paper |



### Double-glazing structural bonding

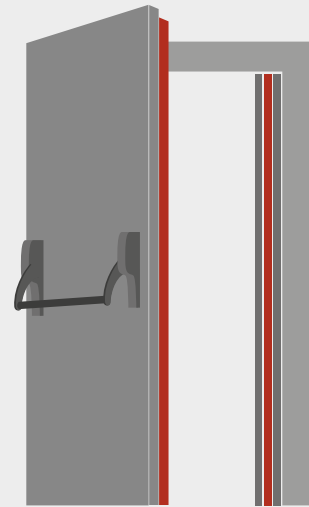
In the production of windows and doorframes, adhesive tapes are used to **fix the perimeter of flexible warm edge spacers** and to **bond the double-glazing to the PVC, aluminium or wooden sash frame** during static dry glazing. The double-sided adhesive tapes suitable for these applications, in addition 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.



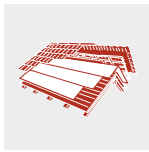
### Fixing of gaskets and profiles

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**.



| Fixing of trims and decorative elements | Mosquito net and roller-blind assembling | Double-glazing structural bonding | Fixing of gaskets and profiles |
|---|--|-----------------------------------|--------------------------------|
|   |  |                                   | •                              |
|   | •  |                                   | •                              |
|   | •  |                                   | •                              |
| •                                       | •  |                                   | •                              |
|   |  |                                   | •                              |
|   | •  |                                   |                                |
|   | •  |                                   |                                |
|   |  | •                                 |                                |
| •                                       | •  |                                   | •                              |
| •                                       | •  |                                   | •                              |
| •                                       | •  |                                   | •                              |
| •                                       | •  |                                   | •                              |
| •                                       | •  |                                   | •                              |
|   |  |                                   | •                              |



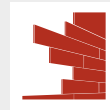
# Roofs and walls

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.**

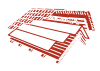


## Fixing of wall coverings

In decorative and architectural renovation of both indoor and outdoor building walls, panels of various materials and finishes such as high-pressure laminate (HPL), ceramic and aluminum composite materials are normally used for wall coverings.

Our ideal solution for bonding materials is an adhesive high-density foam tape, which offers **high adhesion performance** and **excellent durability over time.** Resistant to dynamic, static and thermal stresses, and atmospheric agents, it is **suitable for outdoor use.**

| Product            | Thickness | Density     | Carrier      | Carrier colour      | Adhesive         |
|--------------------|-----------|-------------|--------------|---------------------|------------------|
| MS ALU 37 A        | 0.08      | -           | Aluminium    | Aluminium           | Modified acrylic |
| PAPER              | 0.12      | -           | Creped paper | Yellow              | Natural rubber   |
| BS TNT 22.12       | 0.09      | -           | Non-woven    | Semi-transparent    | Pure acrylic     |
| BS TOP TAPE HQ     | 0.09      | -           | Non-woven    | Semi-transparent    | Pure acrylic     |
| BS TNT GV          | 0.13      | -           | Non-woven    | Semi-transparent    | Pure acrylic     |
| 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     |
| BS FIX 220.012 TW  | 0.17      | -           | PET film     | Transparent         | Pure acrylic     |
| BS 26.04           | 0.19      | -           | PET film     | Transparent         | Pure acrylic     |
| BS 26.04 BPE       | 0.19      | -           | PET film     | Transparent         | Pure acrylic     |
| BS 26.01           | 0.21      | -           | PET film     | Transparent         | Modified acrylic |
| BS 26.02           | 0.21      | -           | PET film     | Transparent         | Modified acrylic |
| BS 25.03           | 0.22      | -           | PVC film     | White               | Modified acrylic |



### 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.



### Masking

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



|  | Liner                          | Masking | Fixing of wall coverings | Insulation |
|--|--------------------------------|---------|--------------------------|------------|
|  | White silicone glassine paper  |         |                          | •          |
|  | -                              | •       |                          |            |
|  | Havana silicone glassine paper |         |                          | •          |
|  | White silicone glassine paper  |         |                          | •          |
|  | Havana silicone glassine paper |         |                          | •          |
|  | -                              | •       |                          |            |
|  | Green silicone PE film         |         |                          | •          |
|  | White silicone glassine paper  |         |                          | •          |
|  | Red silicone PP film           |         |                          | •          |
|  | White silicone glassine paper  |         |                          | •          |
|  | Red silicone PP film           |         |                          | •          |
|  | Havana silicone glassine paper |         |                          | •          |
|  | Havana silicone glassine paper |         |                          | •          |



# 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.

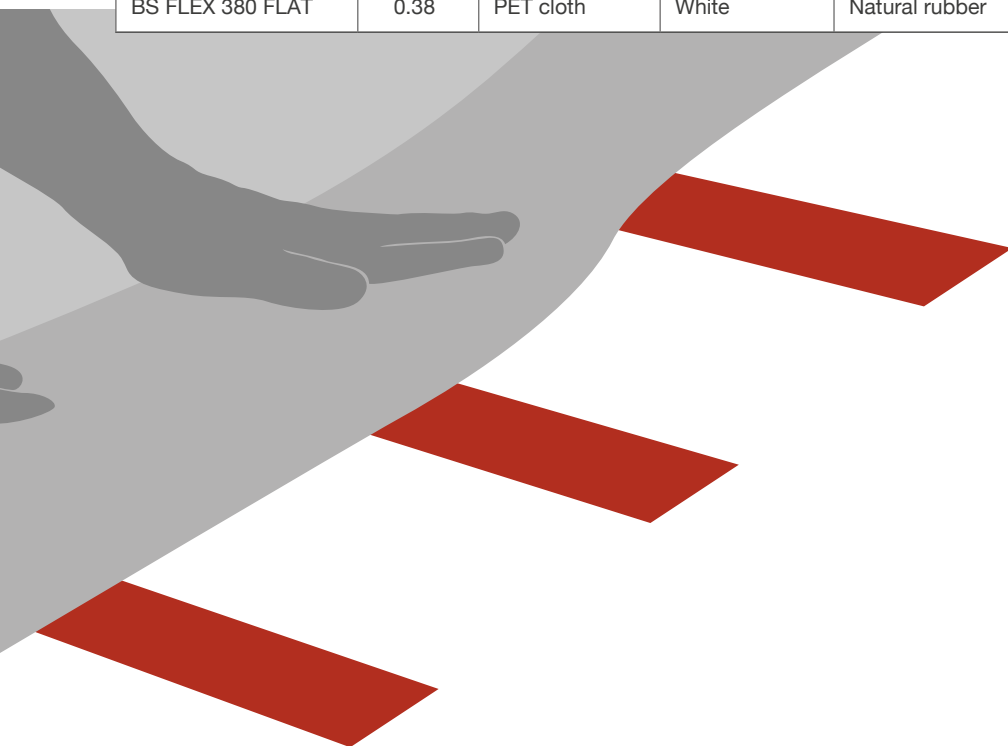
BiesSse adhesive tapes, suitable for **permanent or temporary fixing**, provide excellent adhesion performance even on difficult surfaces as well as **high conformability**.

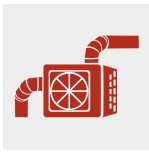


## Covering

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 | 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

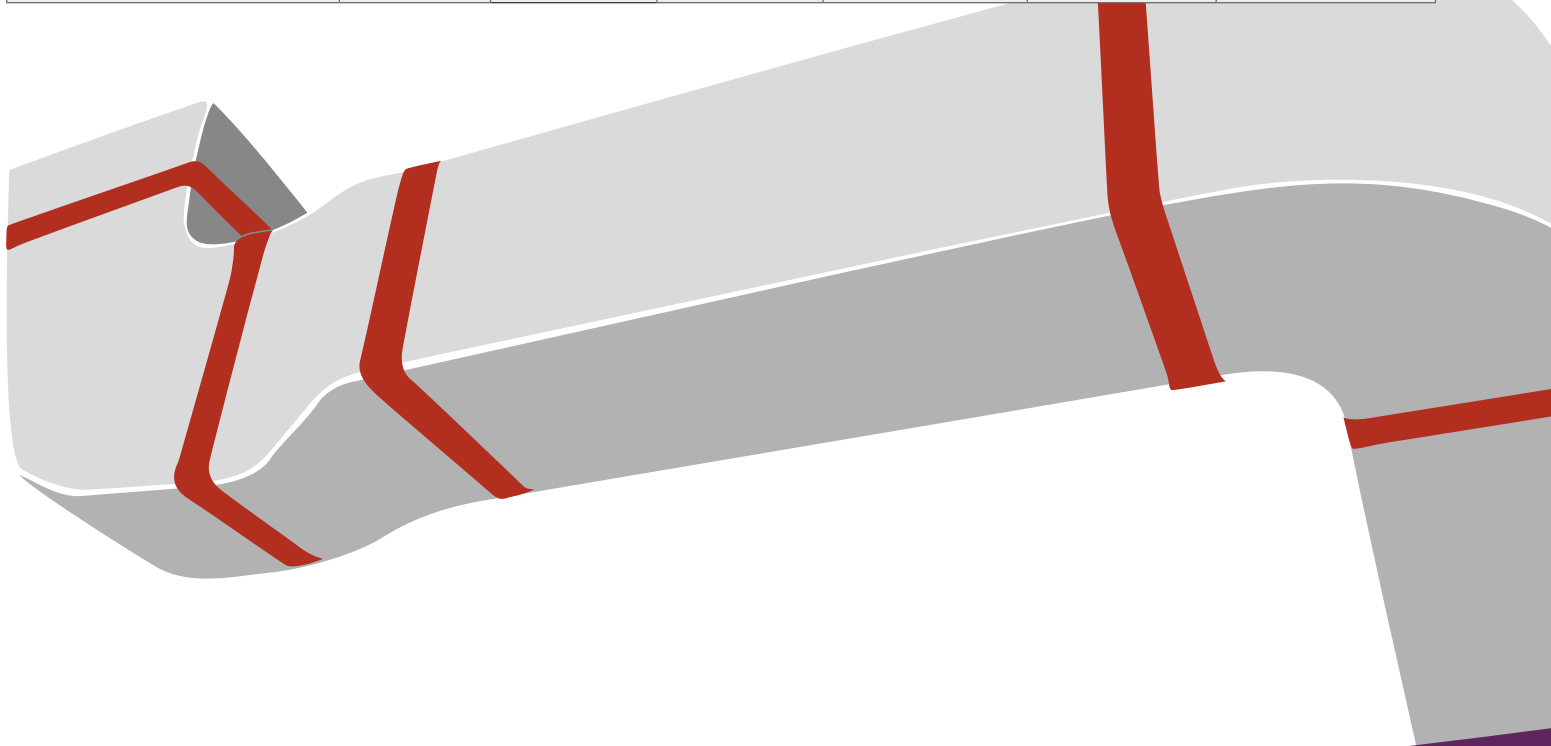
In the Heating, Ventilation and Conditioning sector, adhesive tape applications are numerous, including the **joining** of pipes and ducts, various aerial components, insulating element edges, air pipe **sealing**, and **heat reflection protection** and **damping**.



## Thermal insulation

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

| Product            | Thickness | 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         |



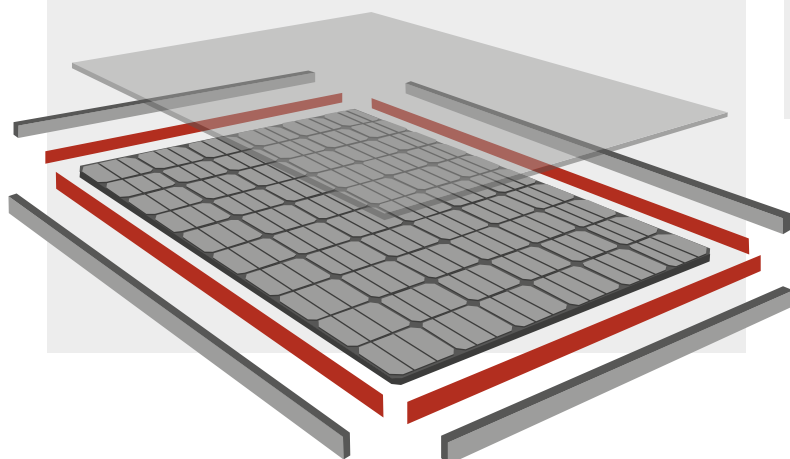


# Solar panels and lighting



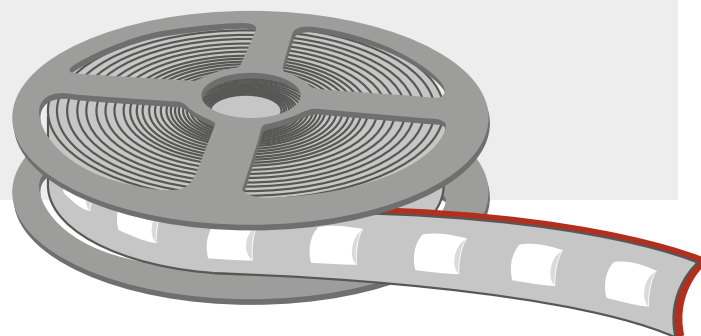
## Solar frame bonding

In the **production of solar panels**, the double-sided adhesive tape used to **fix photovoltaic module frames**, being subjected to prolonged exposure to UV rays and atmospheric agents, must be able to withstand aging and thermal variations. We offer a reliable closed-cell foam solution, which ensures clean application, high cohesion, maximum adhesion, **resistance to plasticizers** and **stability over time**.



## 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 | Density | Carrier  | Carrier colour | Adhesive         | Liner                          | Solar frame bonding | Fixing of LED strips |
|-------------------|-----------|---------|----------|----------------|------------------|--------------------------------|---------------------|----------------------|
| 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 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 |                     | ●                    |



# Electric cables

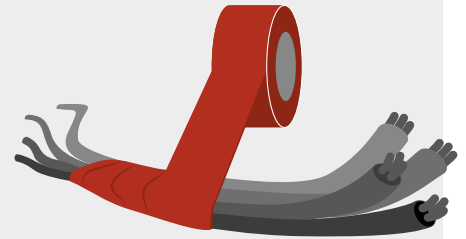
Adhesive tape allows **quick and easy management of power cables**, from temporary and permanent fixing, and wiring of cables and wires, to the application of cable ducts on different types of materials such as plastic, metal, wood and ceramic.

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.



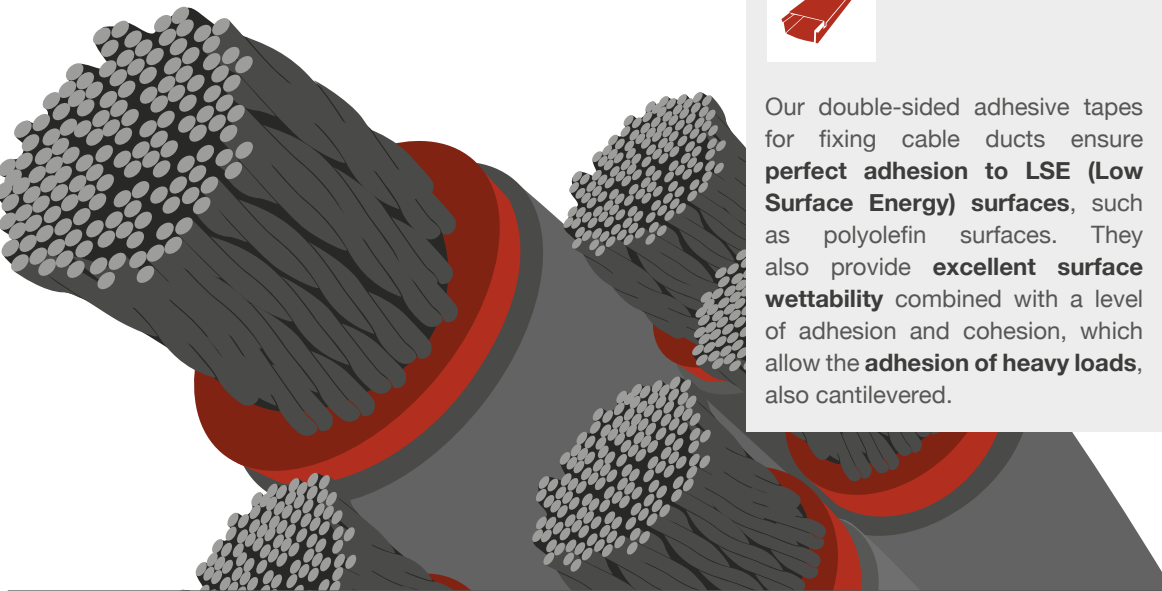
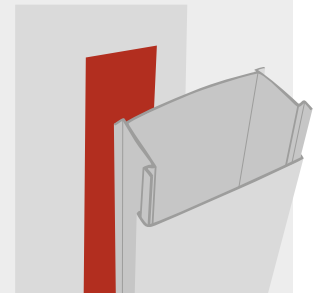
## Wiring and insulation

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 | Carrier                 | Carrier colour       | Adhesive         | Liner                          | Wiring and insulation | Fixing of cable ducts |
|----------------------|-----------|-------------------------|----------------------|------------------|--------------------------------|-----------------------|-----------------------|
| 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   | -                              | ●                     |                       |
| MS SILITAPE T ORANGE | 0.10      | PET film                | Orange               | Silicone         | -                              | ●                     |                       |
| MS SILITAPE TRASP    | 0.10      | PET film                | Transparent          | Silicone         | -                              | ●                     |                       |
| BS 26.03             | 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 26.04             | 0.19      | PET film                | Transparent          | Pure acrylic     | Red silicone PP film           |                       | ●                     |
| 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 |                       | ●                     |

# BIENNE®

Your challenges, our mission



A close-up photograph of a light-colored fabric, possibly a dress or blouse, featuring intricate silver embroidery and sequins. The fabric is draped, and the background is softly blurred. A solid orange-red horizontal band is overlaid across the middle of the image, containing the text.

# Fashion

INDUSTRY



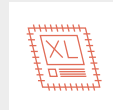
# Clothing, footwear and leather goods

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.

BiesSse 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.



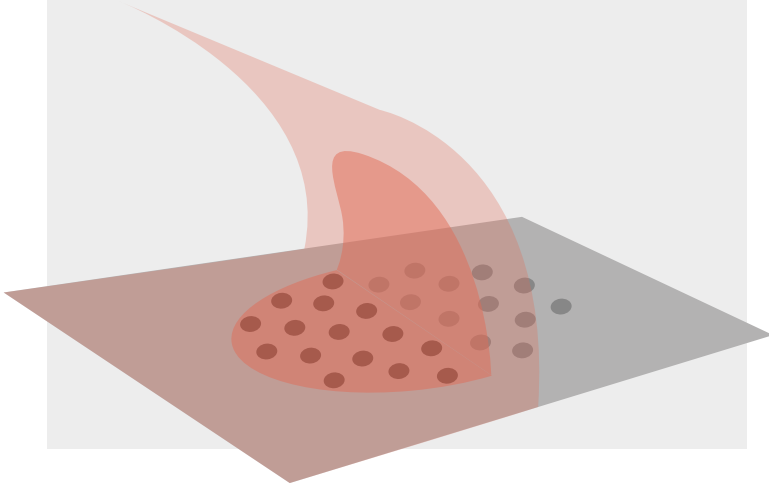
| Product            | Thickness | Density     | Carrier   | Carrier colour   | Adhesive         | Liner                          |
|--------------------|-----------|-------------|-----------|------------------|------------------|--------------------------------|
| BS TOP TAPE HQ     | 0.09      | -           | 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 12 AF       | 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  |
| MS POLITRASP 80 LP | 0.11      | -           | PET film  | Transparent      | Silicone         | White embossed PVC 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 26.01           | 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 |



### 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.

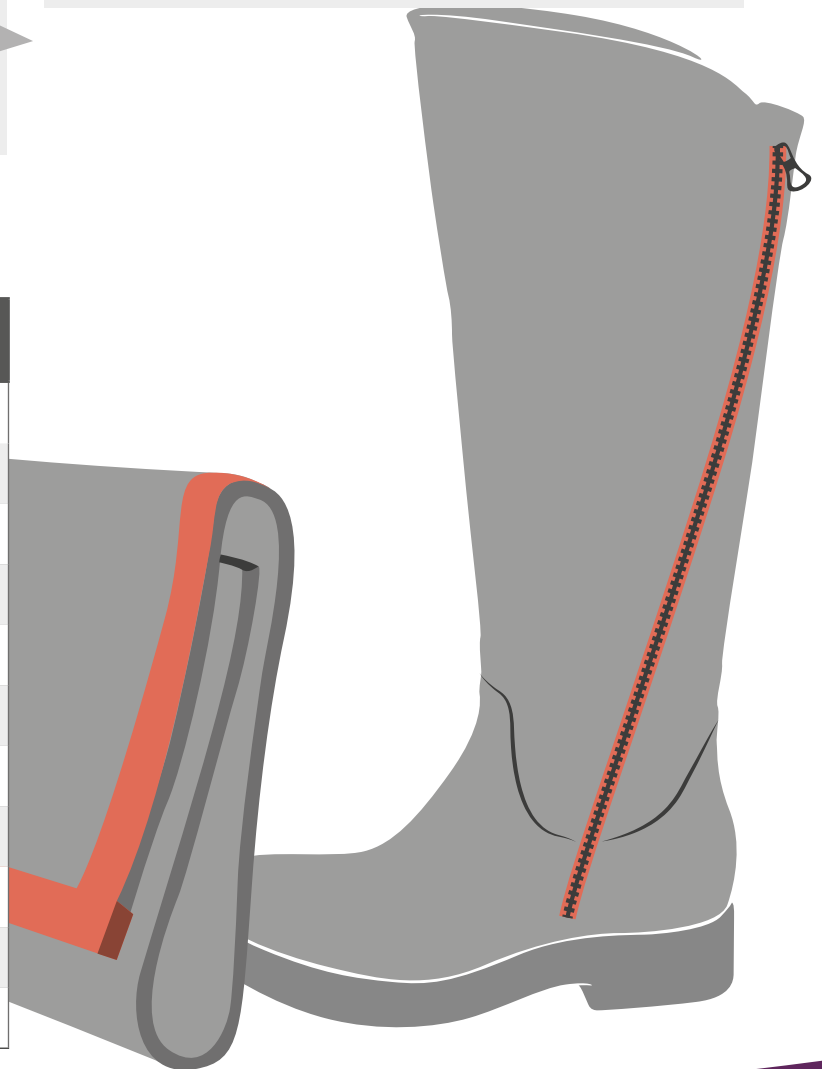


### Fixing and assembly of leather goods

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 , 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**.



| Fabric label application | Rhinestones application | Fixing and assembly of leather goods |
|--------------------------|-------------------------|--------------------------------------|
|                          |                         | •                                    |
|                          |                         | •                                    |
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# BIENNE®

Your challenges, our mission





# 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<br>Medium-high • 20.150<br>Medium • 20.200<br>Medium-low • 20.250<br>Low • 20.275<br>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<br>Medium-high • 20.150<br>Medium • 20.200<br>Medium-low • 20.250<br>Low • 20.275<br>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<br>Medium-high • 20.150<br>Medium • 20.200<br>Medium-low • 20.250<br>Low • 20.275<br>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<br>Medium-high • 20.150<br>Medium • 20.200<br>Medium-low • 20.250<br>Low • 20.275<br>Very low • 20.300 |
| BS MOUNT TITANIUM OPP SERIE 20 | 0.55           | Coloured PE foam + reinforcement film | Pure acrylic - Natural rubber   | Transparent silicone orange peel embossed PP film | High • 20.100<br>Medium-high • 20.150<br>Medium • 20.200<br>Medium-low • 20.250<br>Low • 20.275<br>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<br>Medium • 20.200<br>Medium-low • 20.250<br>Low • 20.275<br>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<br>Medium-high • 20.150<br>Medium • 20.200<br>Medium-low • 20.250<br>Low • 20.275<br>Very low • 20.300 |

### Rigid adhesive tapes

| Product       | Thickness (mm)                                 | Carrier  | Carrier colour | Adhesive (closed s. - open s.)  | Liner                          |
|---------------|--|----------|----------------|---------------------------------|--------------------------------|
| BS FIRM B     | 0.10 •<br>0.15 •<br>0.20 •<br>0.25 •<br>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 adhesive 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<br>Medium • 15.200<br>Medium-low • 15.250<br>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<br>Medium • 15.200<br>Medium-low • 15.250<br>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<br>Medium • 15.200<br>Medium-low • 15.250<br>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<br>Medium • 15.200<br>Medium-low • 15.250<br>Very low • 15.300 |
| BS MOUNT TPS SERIES 15      | 0.43           | Coloured PE foam + reinforcement film | Pure acrylic - Natural rubber   | Transparent silicone pattern embossed PP film     | Medium-high • 15.150<br>Medium • 15.200<br>Medium-low • 15.250<br>Very low • 15.300 |

## Rigid adhesive tapes

| Product        | Thickness (mm)                                 | Carrier  | Carrier colour | Adhesive (closed s. - open s.)  | Liner   |
|----------------|--|----------|----------------|---------------------------------|---|
| BS FIRM EP     | 0.10 •<br>0.15 •<br>0.20 •<br>0.25 •<br>0.30 • | PVC film | Transparent    | Natural rubber - Natural rubber | Coloured semi-transparent silicone creped PP film |
| BS FIRM OPP LF | 0.10 •<br>0.15 •<br>0.20 •<br>0.25 •<br>0.30 • | PVC film | Transparent    | Natural rubber - Natural rubber | White silicone embossed PP film low friction      |
| BS FIRM B      | 0.10 •<br>0.15 •<br>0.20 •<br>0.25 •<br>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**.

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 and pre-laminated PET **base cushioning foams** for high process efficiency and high quality post-print.

## Rigid adhesive tapes

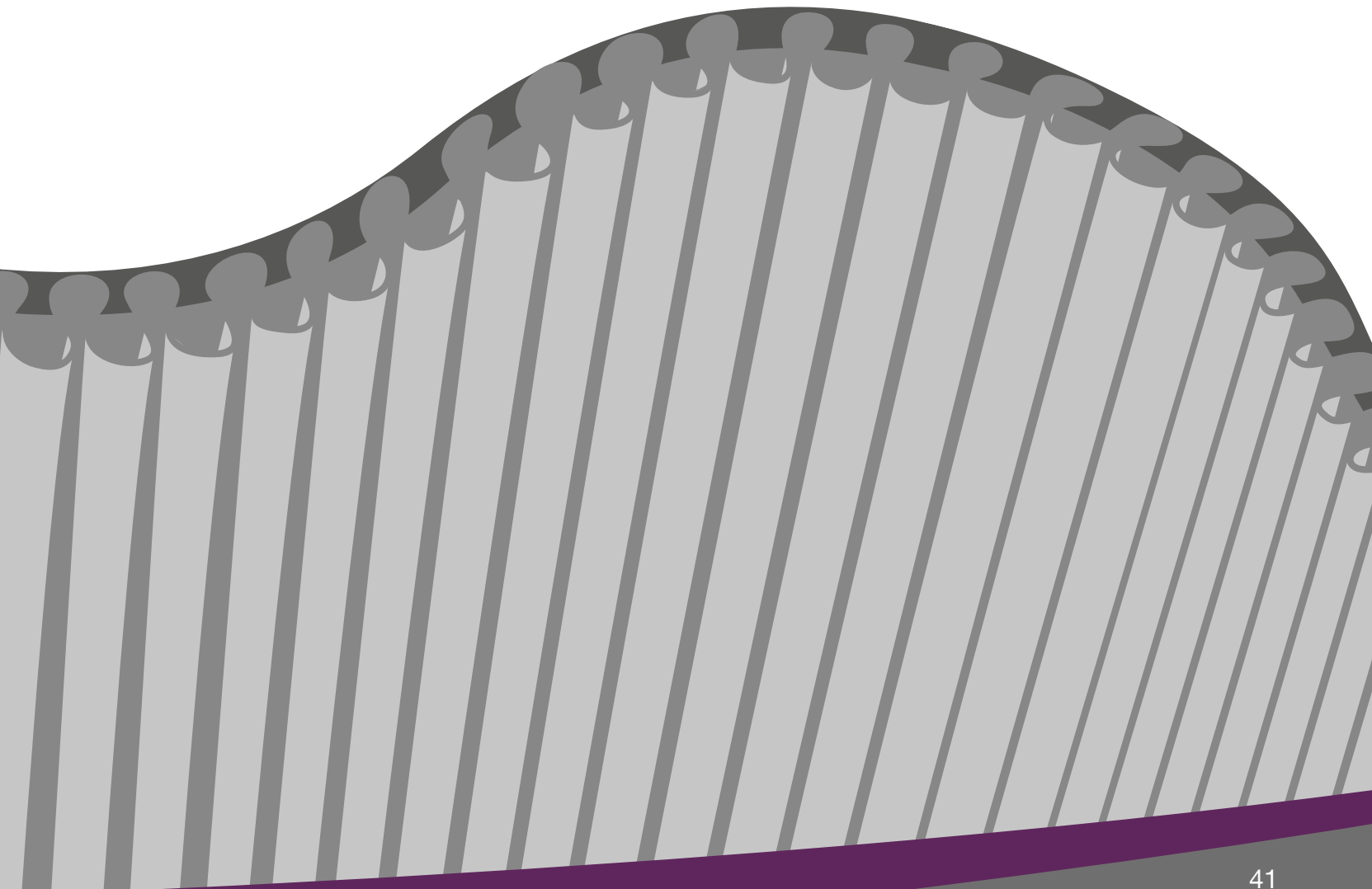
| Product        | Thickness (mm)                                 | Carrier  | Carrier colour | Adhesive (closed s. - open s.)     | Liner   |
|----------------|--|----------|----------------|------------------------------------|---|
| BS FIRM EP     | 0.10 •<br>0.15 •<br>0.20 •<br>0.25 •<br>0.30 • |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

## 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 -<br>Natural rubber | Havana silicone glassine paper                     |
| BS FLEX 400 LC     | 0.40           | PET cloth | White          | Natural rubber -<br>Natural rubber | Brown double sided silicone PE coated creped paper |
| BS FLEX 380 FLAT   | 0.38           | PET cloth | White          | Natural rubber -<br>Natural rubber | Havana silicone glassine paper                     |

## Cushioning foams

| Product          | Thickness (mm) | Carrier            | Carrier colour | Adhesive     | Liner                         |
|------------------|----------------|--------------------|----------------|--------------|-------------------------------|
| MS FOAM 1100 PET | 1.10           | PE foam + PET film | Blue+White     | Pure acrylic | -                             |
| MS FOAM 1700 PET | 1.70           | PE foam + PET film | Blue+White     | Pure acrylic | -                             |
| MS FOAM 2100 PET | 2.10           | PE foam + PET film | Blue+White     | Pure acrylic | -                             |
| MS FOAM 2600 PET | 2.60           | PE foam + PET film | Blue+White     | Pure acrylic | -                             |
| MS FOAM 1100 SA  | 1.10           | PE foam            | Blue           | Pure acrylic | White silicone glassine paper |
| MS FOAM 1700 SA  | 1.70           | PE foam            | Blue           | Pure acrylic | White silicone glassine paper |
| MS FOAM 2100 SA  | 2.10           | PE foam            | Blue           | Pure acrylic | White silicone glassine paper |
| MS FOAM 2600 SA  | 2.60           | PE foam            | Blue           | Pure acrylic | White 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<br>Medium-high • 20.150<br>Medium • 20.200<br>Medium-low • 20.250<br>Low • 20.275<br>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<br>Medium-high • 20.150<br>Medium • 20.200<br>Medium-low • 20.250<br>Low • 20.275<br>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<br>Medium-high • 20.150<br>Medium • 20.200<br>Medium-low • 20.250<br>Low • 20.275<br>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<br>Medium-high • 20.150<br>Medium • 20.200<br>Medium-low • 20.250<br>Low • 20.275<br>Very low • 20.300 |
| BS MOUNT TITANIUM OPP SERIES 20 | 0.55           | Coloured PE foam + reinforcement film | Pure acrylic - Natural rubber   | Transparent silicone orange peel embossed PP film | High • 20.100<br>Medium-high • 20.150<br>Medium • 20.200<br>Medium-low • 20.250<br>Low • 20.275<br>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<br>Medium • 20.200<br>Medium-low • 20.250<br>Low • 20.275<br>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<br>Medium-high • 20.150<br>Medium • 20.200<br>Medium-low • 20.250<br>Low • 20.275<br>Very low • 20.300 |

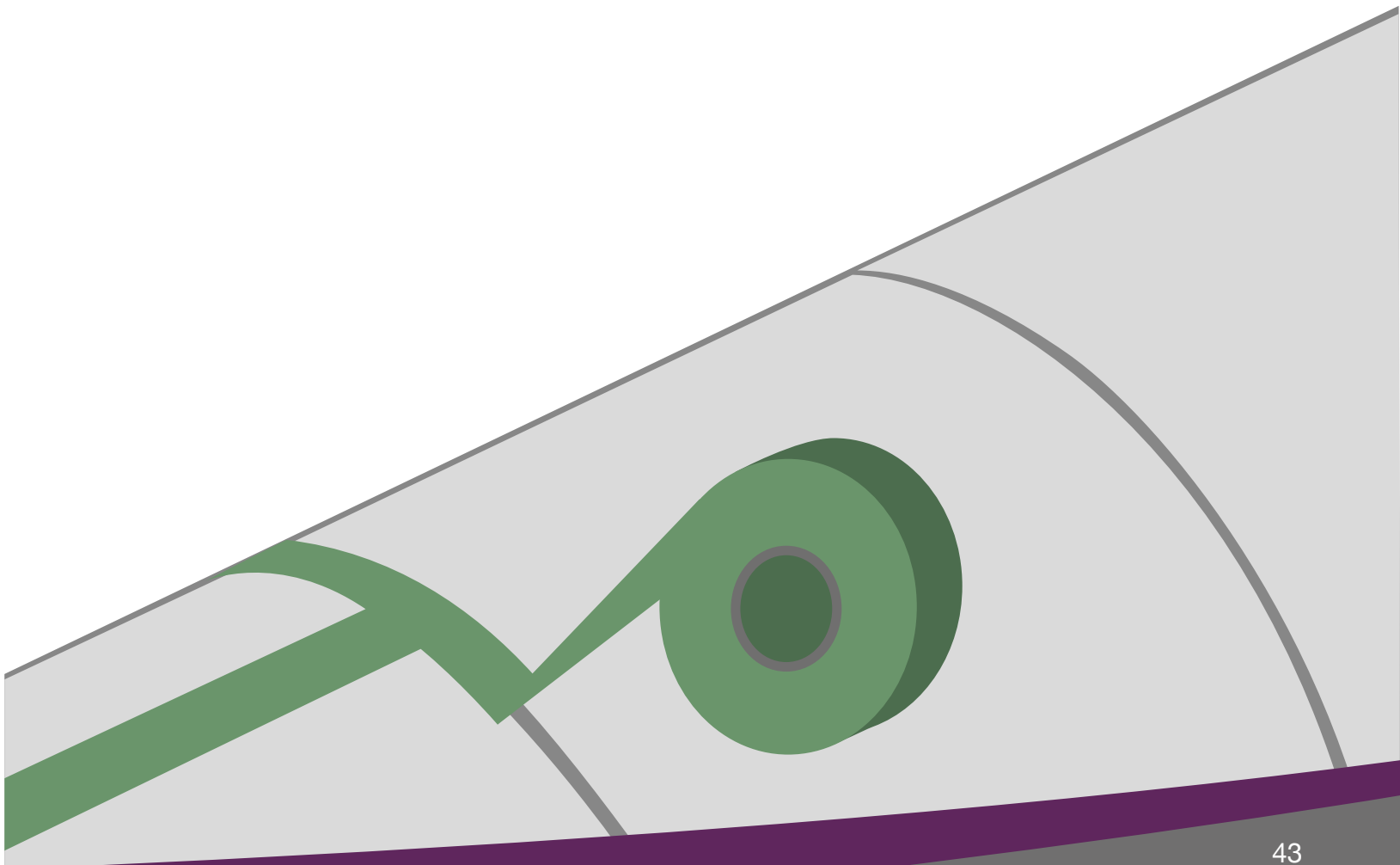


# Plate edge sealing

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 TW    | 0.17           | PET film               | Transparent      | Pure acrylic          | White silicone glassine paper   |



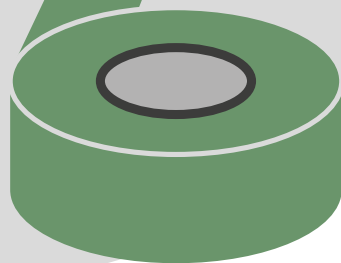
## Splicing of silicone-coated materials

| 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 | -     |



## 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 eand resins | White silicone glassine 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  |





# Roller and cylinder wrapping

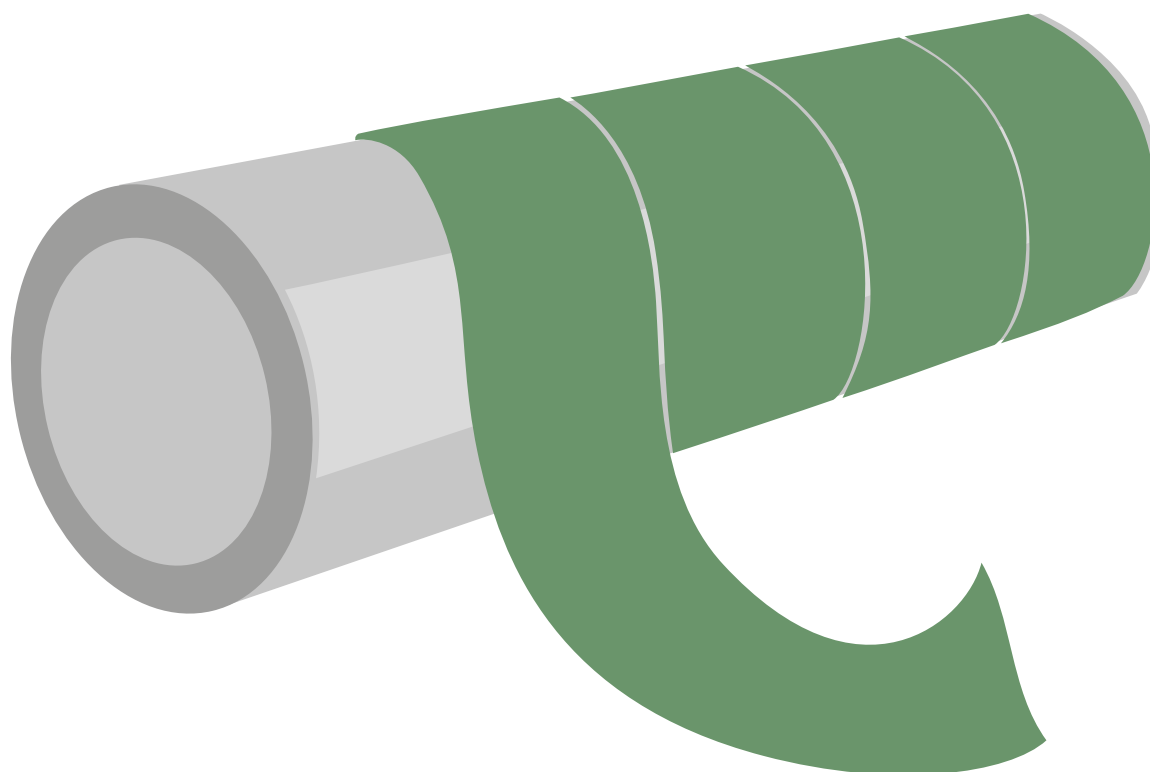
Roller/cylinder wrapping adhesive tape is used in **printing, converting** and **web processing** of different substrates such as film and paper to avoid glue, ink or other deposits, to facilitate material movement, and to reduce machine noise levels.

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 strength, 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 |



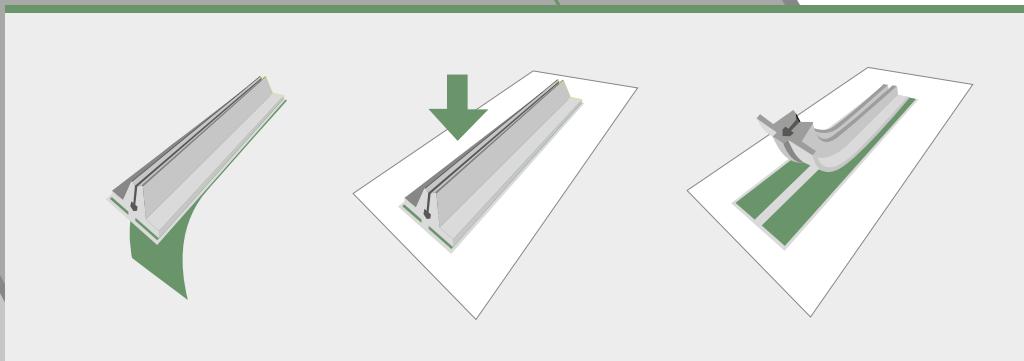


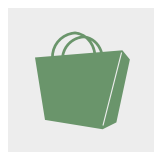
# Creasing matrix application

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 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.

| Product        | Thickness (mm) | Carrier   | Carrier colour | Adhesive         |
|----------------|----------------|-----------|----------------|------------------|
| BS CLOSEBAG HA | 0.10           | BOPP film | Transparent    | Synthetic rubber |
| BS POL 12 AF   | 0.07           | PET film  | Transparent    | Synthetic rubber |
| BS POL 12 AS   | 0.10           | PET film  | Transparent    | Modified acrylic |





### Permanent closure

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

|  | Liner                         | Self-sealing sterilization closure | Permanent closure |
|--|-------------------------------|------------------------------------|-------------------|
|  | Red silicone PP film          |                                    | •                 |
|  | White silicone glassine paper | •                                  |                   |
|  | White silicone glassine paper |                                    | •                 |

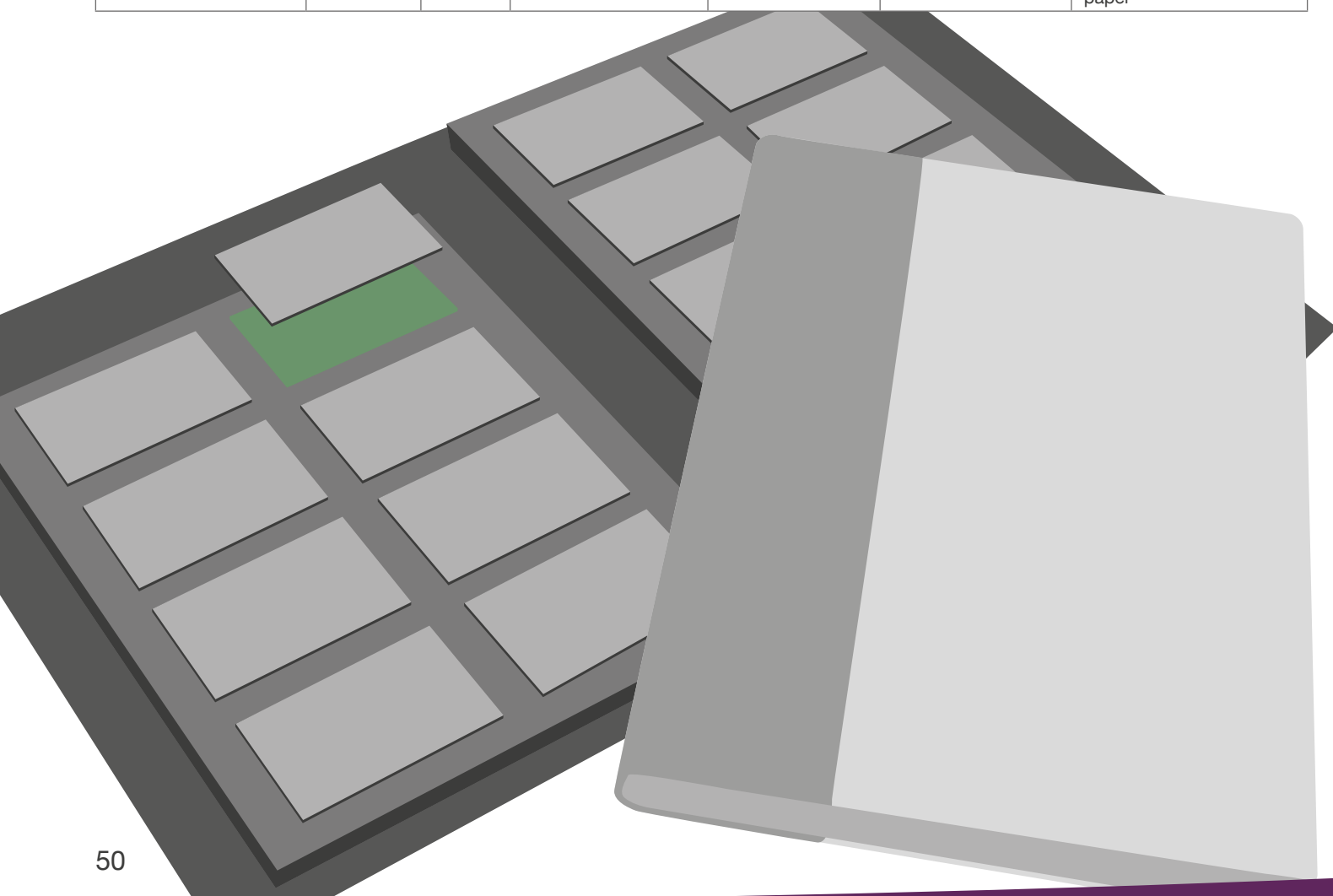




# Sample mounting

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 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 22.13    | 0.10           | -       | Non-woven | Semi-transparent | Pure acrylic     | Havana 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 121 HQ WHITE | 0.90           | Low     | PE foam   | White            | Modified acrylic | Havana silicone glassine paper |
| BS 26.04        | 0.19           | -       | PET film  | Transparent      | Pure acrylic     | Red silicone PP film           |
| 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 |



# BiesSse solutions for flexographic printing

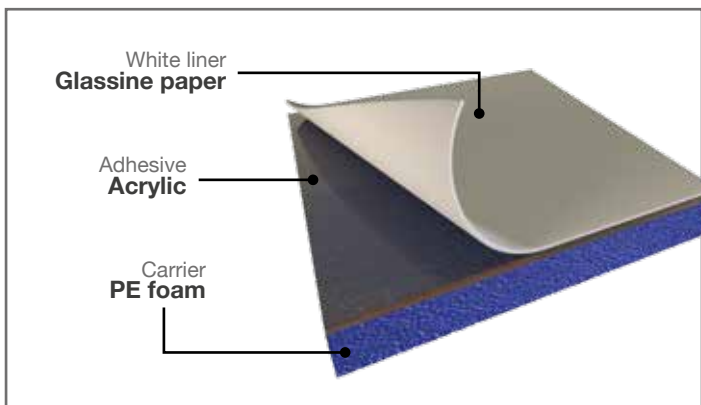
## Cushion foams

### MS FOAM

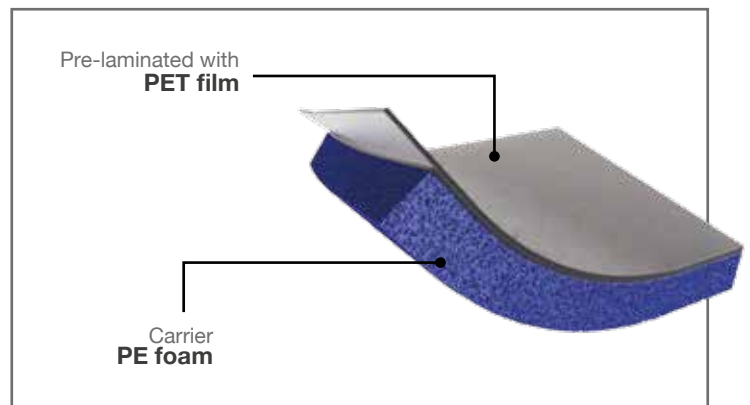
The BiesSse MS FOAM range is mainly used for **high-quality flexo post-printing of corrugated board**. The closed-cell polyethylene foam backing offers **high resistance and resilience**, thus optimizing print process and quality. It allows for the reduction of the thickness of the printing plates, ensures 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: **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        |
| <b>3.85</b>                            | <b>MS FOAM 4000 SA</b> |

| 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        |
| <b>3.85</b>                            | <b>MS FOAM 4000 PET</b> |

PET film thickness: 0.25 mm  
0.35 mm available upon request

# 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:

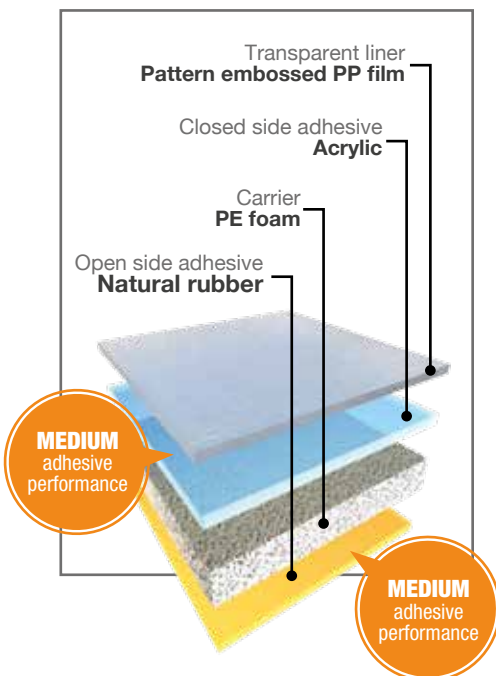
- High resilience foam
- High adhesion and clean removal
- High performance embossed liner
- Excellent printing results at very high speed and long print runs

| Product         | 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 |          |          |    |        |              |       |    |     |

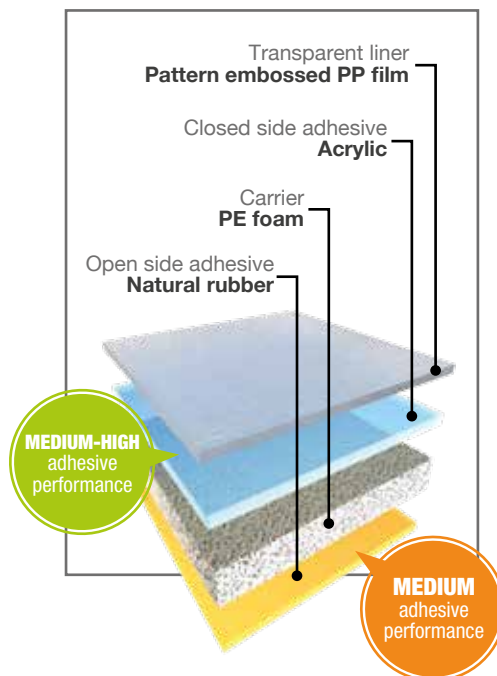
Carrier colour

Transparent liner

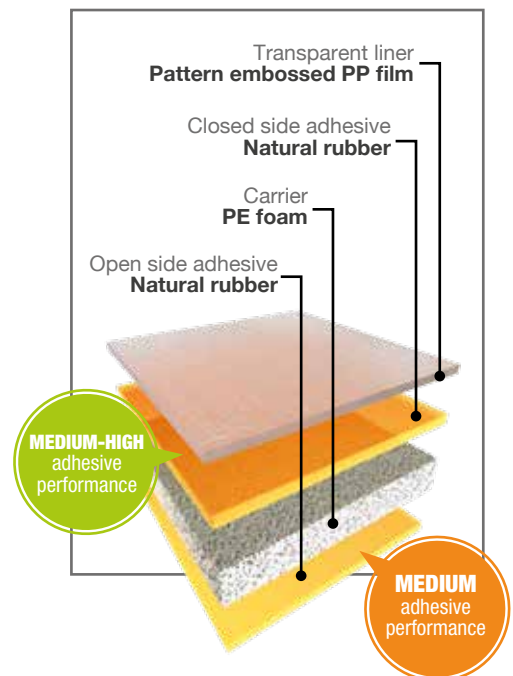
### BS MOUNT PLATINUM



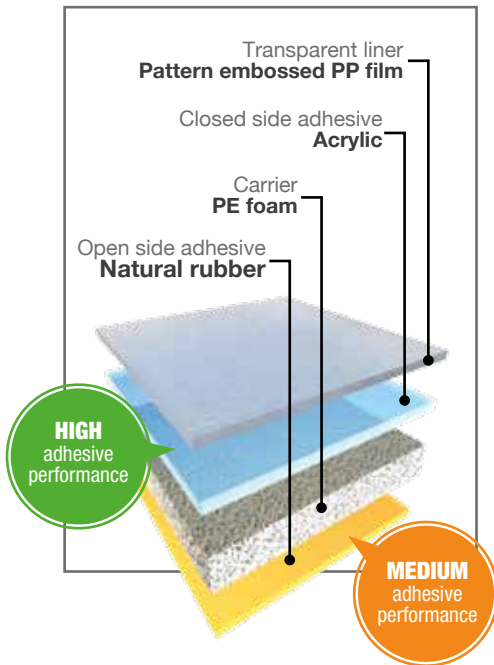
### BS MOUNT TITANIUM



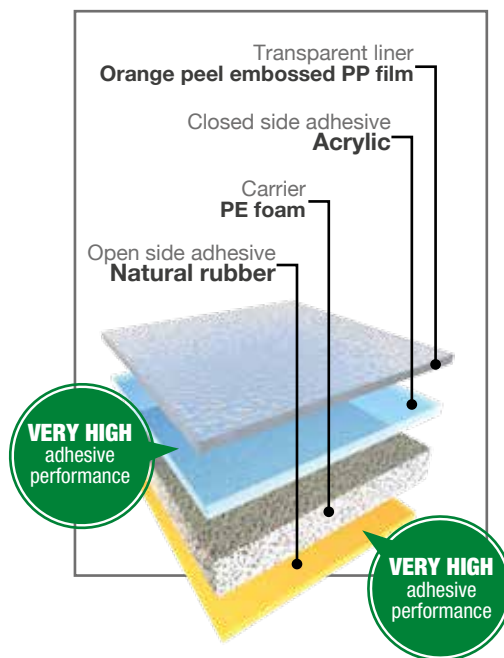
### BS MOUNT US



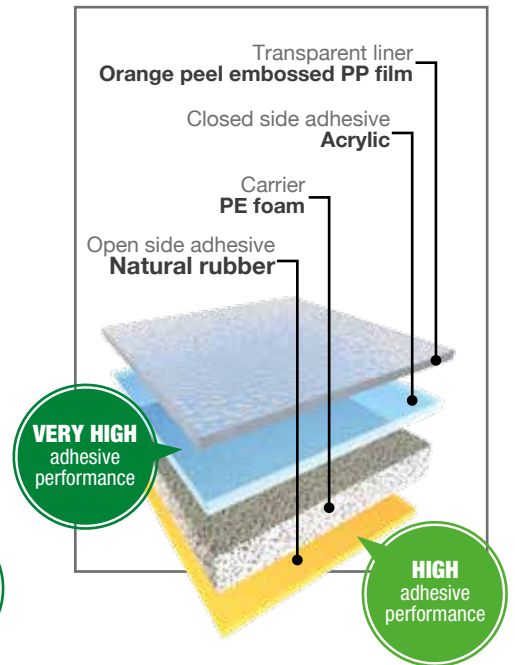
**BS MOUNT TPS-LT**



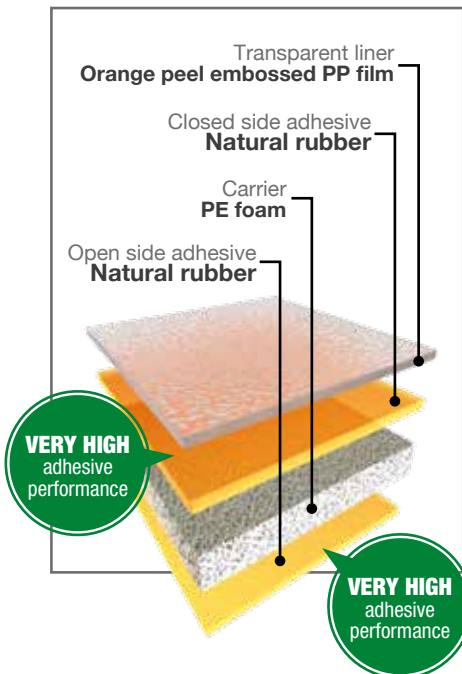
**BS MOUNT TITANIUM OPP**



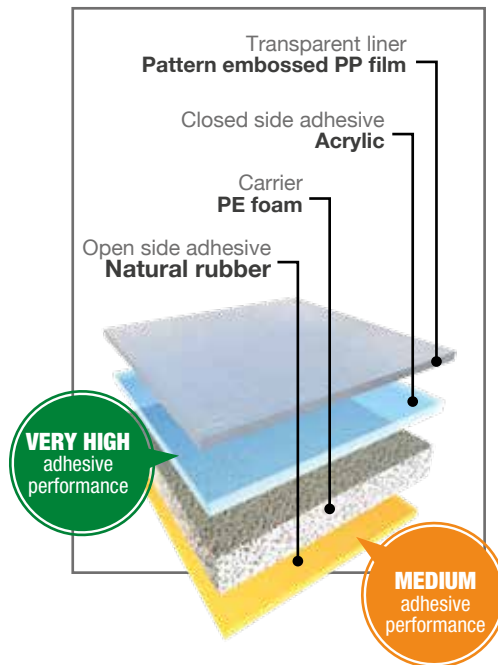
**BS MOUNT NW-CN**



**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

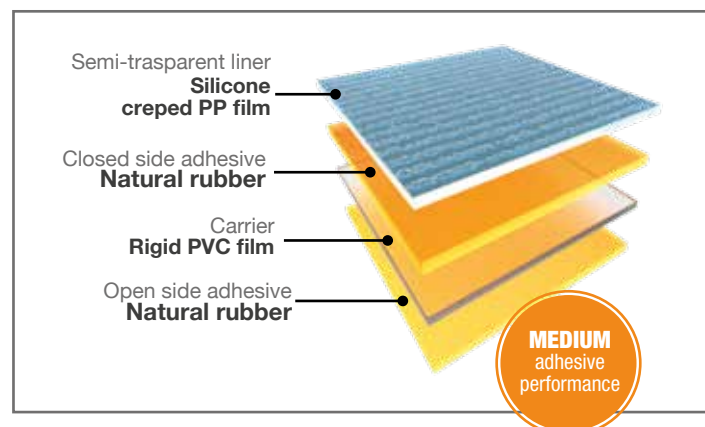
The BiesSse BS FIRM range **meets all adhesion and thickness requirements**. The defining tape features are characterised by the construction based on a **rigid PVC film carrier** of various thicknesses, combined with different adhesives and liners.

| Product     | EP | OPP LF | B | DS |
|-------------|----|--------|---|----|
| BS FIRM 100 |    |        |   |    |
| BS FIRM 150 |    |        |   |    |
| BS FIRM 200 |    |        |   |    |
| BS FIRM 250 |    |        |   |    |
| BS FIRM 300 |    |        |   |    |

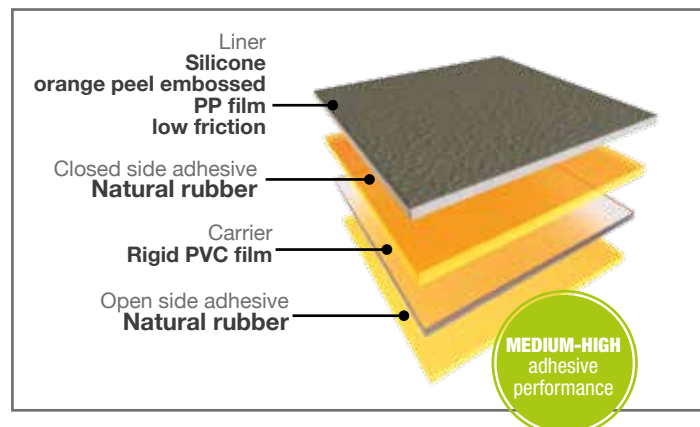
☒ Transparent carrier

○ Liner colour

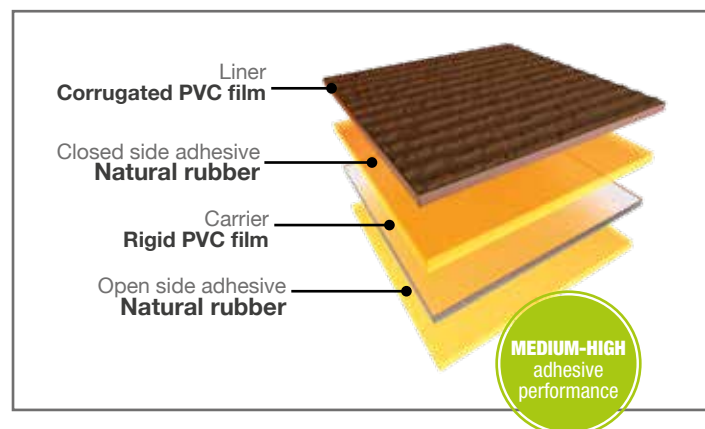
### BS FIRM EP



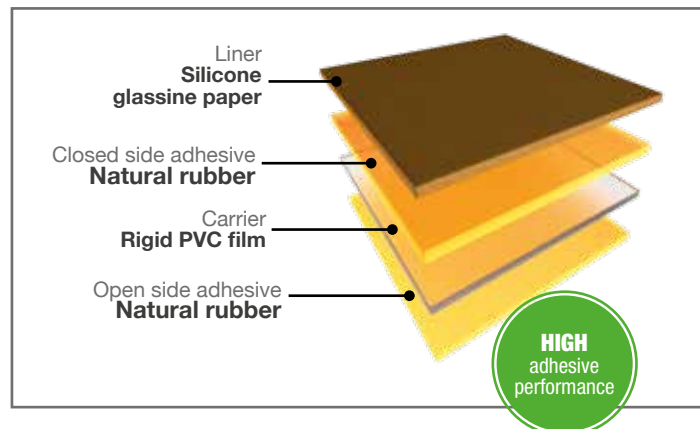
### BS FIRM OPP LF



### 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**.

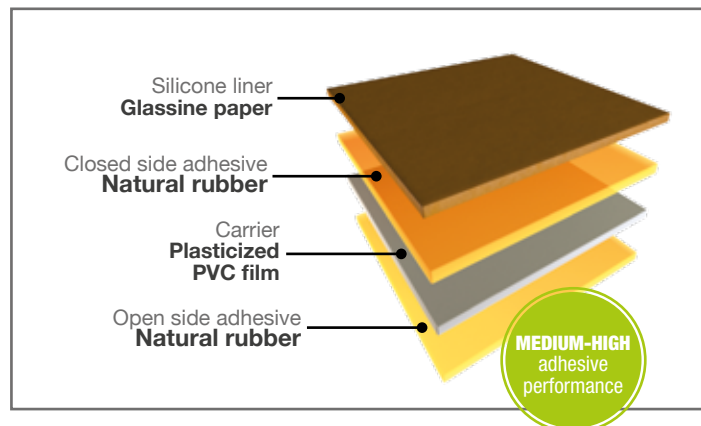
## BS FLEX

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**.

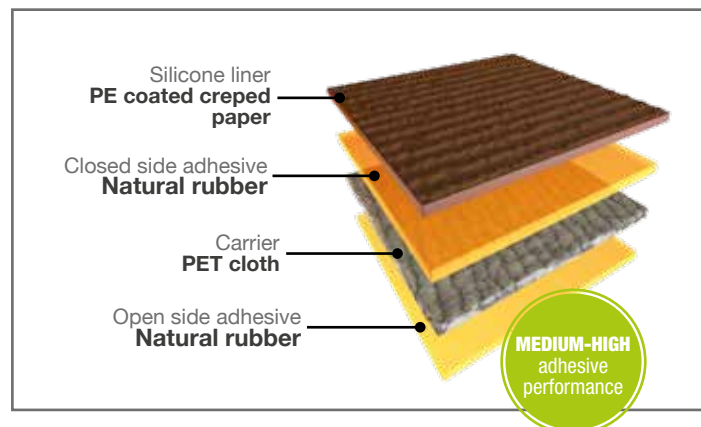
| Product       | SOFT | LC | FLAT |
|---------------|------|----|------|
| BS GRAFIX 300 |      |    |      |
| BS FLEX 380   |      |    |      |
| BS FLEX 400   |      |    |      |

Carrier colour     Liner colour

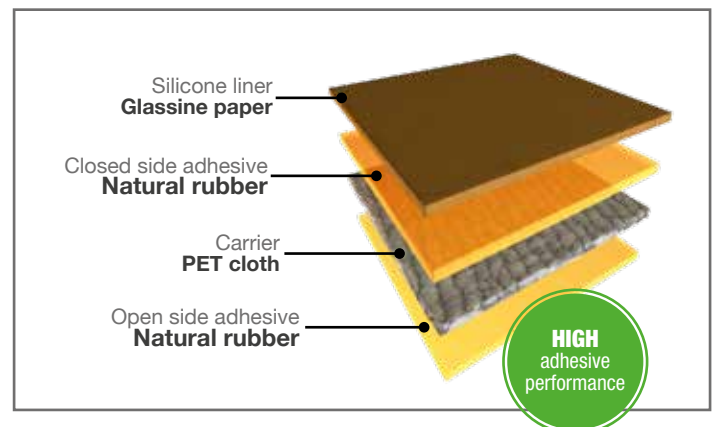
### BS GRAFIX SOFT



### BS FLEX LC



### BS FLEX FLAT



# BiesSse solutions for flexographic printing

| Cushion | Product               | Plate thickness |        |      |
|---------|-----------------------|-----------------|--------|------|
|         |                       | Low             | Medium | High |
|         | 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  |  | ● |   |

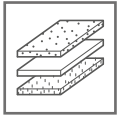
## Soft

|  |                |  |   |   |
|--|----------------|--|---|---|
|  | 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.

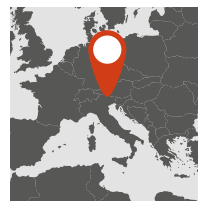
## BiesSse Tape Solutions S.p.A.

Via Luigi Galvani 2/4 - 20018 Sedriano (Milan) - Italy  
**Telefono: +39 02 90 11 11 18 - Fax: +39 02 90 11 03 82**  
[info.tapes@biesSseworld.com](mailto:info.tapes@biesSseworld.com)

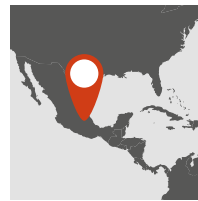


## BiesSse Equipment Solutions S.r.l.

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Process innovation through:

## **Tape** solutions

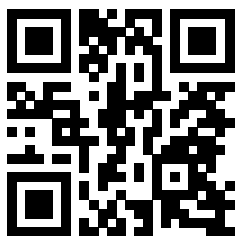
Highly performing technical adhesive tapes  
for the most challenging industrial applications

## **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)