

A man wearing a green hairnet and glasses is operating a large industrial machine. He is looking up at a monitor screen. The machine is processing a roll of material, likely a printing plate, which is wrapped in a protective orange tape. The machine has various rollers, adjustment knobs, and a control panel with a red emergency stop button.

PLATE MOUNTING TAPE SOLUTIONS FOR FLEXIBLE PACKAGING PRINTERS

**tesa Softprint® – A Comprehensive Assortment
for High Process Efficiency in Flexographic Printing**

OUR VALUE PROPOSITION

Solutions that Go Beyond Tape

As a leading global supplier of adhesive solutions, we are a reliable partner in the flexographic printing market and have a comprehensive understanding of plate mounting application from development to production and sales.



Extensive R&D and lab support

Our specialized R&D engineers are focused on developing innovative adhesive solutions for the wide range of requirements in the flexographic printing industry.



Partnering to solve industry challenges

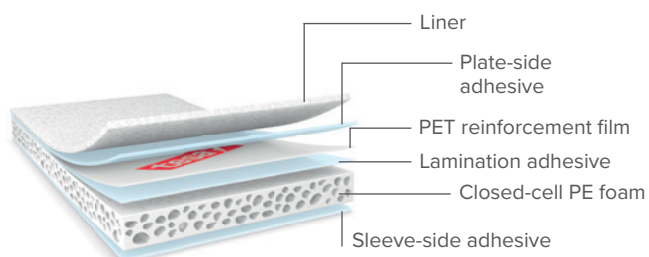
Our dedicated flexo team of more than 100 experts helps to improve overall efficiency by recommending solutions that optimize your existing set-up. We invite customers to our facilities to discuss specific product needs and testing requirements.

DESIGN MAKES THE DIFFERENCE

Increasing print quality demands, combined with high levels of process efficiency call for tailor-made plate mounting tape design. Our tesa Softprint® assortment provides two product designs, CLASSIC and FLEX, offering individual possibilities for more process efficiency.

CLASSIC product design

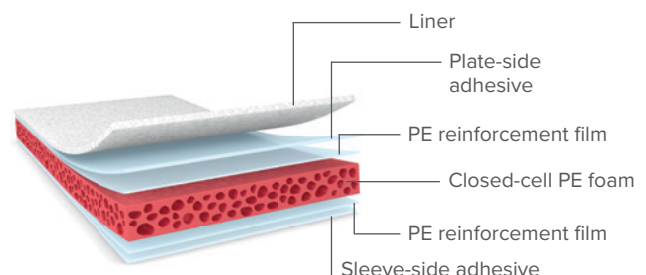
- Easy tape handling with PET reinforcement film
- Wide range of product lines for individual requirements



FLEX product design

Aligned product design for critical sleeve application e.g.:

- Thin-walled sleeves
- Scratched sleeve surfaces



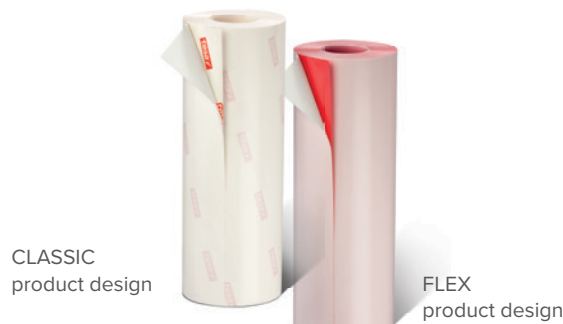
FOR MAXIMIZED EFFICIENCY

To achieve maximized efficiency throughout the production process all influential factors and conditions must be considered and well-coordinated. Therefore, the tesa Softprint® assortment provides a wide range of adhesive packages to offer each printer the best plate mounting tape for their individual requirements.

tesa Softprint® product selection guide

| Lower bonding towards sleeve side | Standard product | Higher bonding towards sleeve side | Product explanation |
|-----------------------------------|------------------|------------------------------------|--|
| | FE | FE-X | Very low tack adhesive for easy and fast plate mounting and demounting. Secure bonding with excellent resistance to edge lifting in clean and standardized conditions. |
| | | SEC-X | Low tack adhesive for easy and fast plate mounting and demounting. Secure bonding with excellent resistance to edge lifting in clean and standardized conditions. |
| SLM | TP | TP-X | Medium tack adhesive for reliable plate mounting under most conditions. Secure bonding with excellent resistance to edge lifting especially under warm and high humidity conditions. |
| | STM | | High tack adhesive for plate mounting in unclean and cold conditions. Secure bonding with excellent resistance to edge lifting. |

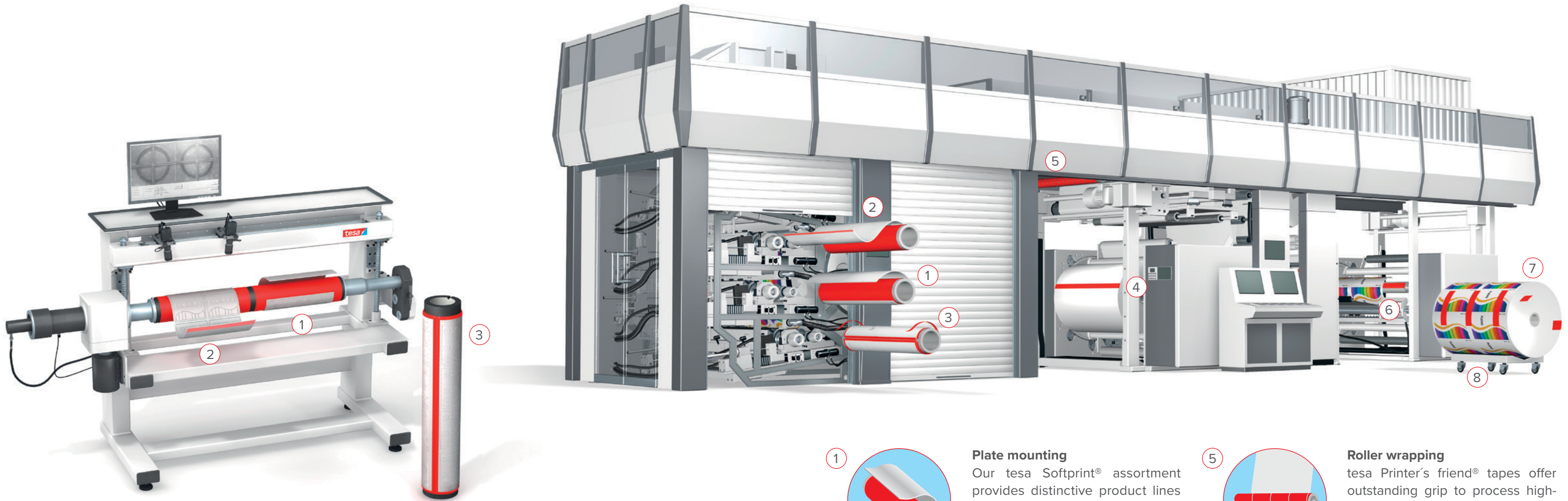
Choosing
the Right
Tape – the First Step
for Success



Consult our online Foam Advisor for plate related tape advice.

www.tesa.com/foamadvisor

tesa® products prove their impressive quality day in, day out in demanding conditions and are regularly subjected to strict controls. All technical information and data above mentioned are provided to the best of our knowledge on the basis of our practical experience. They shall be considered as average values and are not appropriate for a specification. Therefore tesa SE can make no warranties, express or implied, including, but not limited to any implied warranty of merchantability or fitness for a particular purpose. The user is responsible for determining whether the tesa® product is fit for a particular purpose and suitable for the user's method of application. If you are in any doubt, our technical support staff will be glad to support you.



HANDLING AND STORAGE CONDITIONS

Steps for optimal plate mounting

Plate cleaning

Tape mounting

Plate demounting

Cylinder/sleeve cleaning

Plate mounting

Tape demounting

Storage conditions

- 23°C / 73°F and 55% rel. humidity
- No direct sun light
- No water exposure

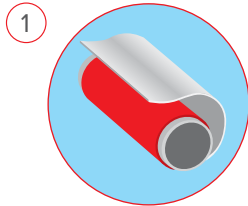
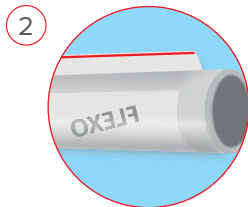
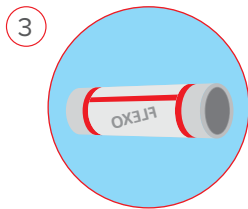


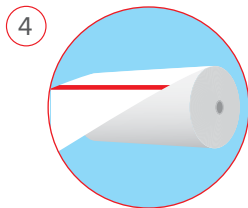
Plate mounting
Our tesa Softprint® assortment provides distinctive product lines for flexo printers to fulfill each and every requirement.



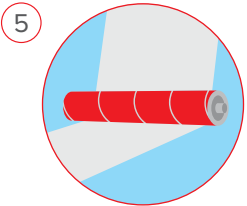
Adhesion promoter
For additional bonding strength to plate edge if needed.



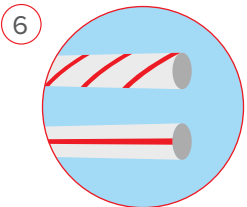
Edge sealing
Specific circumstances like older stiff plates or small cylinder diameters may require additional support against plate edge lifting.



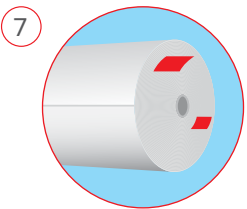
Splicing
To splice different film material we offer a comprehensive assortment of double-sided and single-sided splicing tapes.



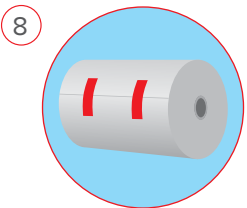
Roller wrapping
tesa Printer's friend® tapes offer outstanding grip to process high-slip materials and repel a variety of substances involved in the process (e.g. adhesives and inks).



Core starting
For rough core surfaces, we provide several tapes with excellent adhesion properties to ensure the web is securely attached to the core.



Failure flagging
For marking material imperfections and print faults we provide various tape color options from our assortment.



End tabbing
To close converted reels for storage or later processing. Our tapes offer safe bonding on various substrates.

Our Complementary Products for Flexographic Printing

| Application | Special feature | Thickness [µm / mil] | Adhesive | Backing | Color |
|----------------------------|--|-------------------------|---------------------------|------------------|---|
| Integrated flying splice | | | | | |
| tesa® 51918 | d/s tape with high tack, for difficult-to-slice film substrates | 105/4 | Natural rubber | PET |  |
| tesa® 51910 | d/s tape with high tack, for secure flying splice on high speed | 120/5 | Synthetic rubber | Paper |  |
| Conventional flying splice | | | | | |
| tesa® 51904 | d/s tape with high tack, high adhesion for conventional flying splice | 110/4 | Synthetic rubber | Non-woven |  |
| Zero speed splicing | | | | | |
| tesa® 4137 | s/s tape for butt splicing and inductive detection | 50/2 | Acrylic | PET |  |
| Roller wrapping | | | | | |
| tesa Printers Friend® 4863 | Embossed surface | 620/24 | Natural rubber | Cloth |  |
| tesa Printers Friend® 4563 | Smooth surface | 380/15 | Natural rubber | Cloth |  |
| Edge sealing | | | | | |
| tesa® 4244 PV2 | Flexible s/s tape | 137/5 | Natural rubber | PVC |  |
| tesa® 4174 | Flexible s/s tape | 110/4 | Natural rubber | PVC |  |
| tesa® 4104 | s/s tape for safe bonding on all substrates | 67/3 | Natural rubber | PVC |         |
| Ink tray coverage | | | | | |
| tesa® 51136 | Flexible maskings/s tape | 105 / 4 | Acrylic | PE |  |
| Core starting | | | | | |
| tesa® 4104 | s/s tape for safe bonding on paper and PE cores | 67/3 | Natural rubber | PVC |         |
| tesa® 51194* | Splittable d/s tape for flying splice labelling applications | 120/5 | Synthetic rubber/ acrylic | Splittable paper |  |
| tesa® 52307 | d/s tape for safe bonding and easy release | 70/3 | Acrylic | PVC |  |
| Failure flagging | | | | | |
| tesa® 4104 | Different colors to mark material imperfections | 67/3 | Natural rubber | PVC |         |
| End tabbing | | | | | |
| tesa® 4104 | Safe bonding on all kind of materials | 67 / 3 | Natural rubber | PVC |         |
| Adhesive Promoter | | | | | |
| tesa® 60152 | Recommended for tesa Softprint® FE, Softprint® FE-X, tesa Softprint® SEC-X | | | | |
| tesa® 60153 | Recommended for tesa Softprint® STM, Softprint® TP, tesa Softprint® SLM, Softprint® TP-X | | | | |
| Additional tools | | | | | |
| tesa® 52064 | Plate cleaning | | | | |
| tesa® 52065 | Rubber roller | | | | |

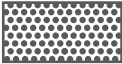





* Dispensers are available d/s = double sided tape s/s = single sided tape

ALWAYS A FITTING SOLUTION


Plate Mounting Tapes for Your Individual Requirements

Plate mounting tapes have a critical influence on your process efficiency and print quality. Our tesa Softprint® assortment is supported by our smart tape production process – leaving all foam cells within the tape backing intact for better cushioning and resilience over time. Selecting the correct foam hardness from our assortment will produce exceptional print quality by increasing your printing speed and overcoming print defects like banding, increased dot gain, and “pin holing”.

tesa Softprint® 500 µm / 20 mil category /thickness 550 µm / 22 mil)

| Product line | Product design | X-Soft | Soft | Medium | Medium-Hard | Hard | X-Hard |
|-----------------------|----------------|---|---|---|---|---|---|
| | |  |  |  |  |  |  |
| tesa Softprint® STM | CLASSIC | - | tesa® 72022 | tesa® 72024 | tesa® 72026 | tesa® 72028 | - |
| tesa Softprint® TP | CLASSIC | - | tesa® 72122 | tesa® 72124 | tesa® 72126 | tesa® 72128 | tesa® 72129 |
| | FLEX | - | tesa® 73122 | tesa® 73124 | tesa® 73126 | tesa® 73128 | - |
| tesa Softprint® SLM | CLASSIC | tesa® 72220 | tesa® 72222 | tesa® 72224 | tesa® 72226 | tesa® 72228 | - |
| tesa Softprint® TP-X | CLASSIC | - | tesa® 72322 | tesa® 72324 | tesa® 72326 | tesa® 72328 | - |
| | FLEX | - | tesa® 73322 | tesa® 73324 | tesa® 73326 | tesa® 73328 | - |
| tesa Softprint® FE | CLASSIC | tesa® 72420 | tesa® 72422 | tesa® 72424 | tesa® 72426 | tesa® 72428 | - |
| | FLEX | - | tesa® 73422 | tesa® 73424 | tesa® 73426 | tesa® 73428 | - |
| tesa Softprint® FE-X | CLASSIC | - | tesa® 72522 | tesa® 72524 | tesa® 72526 | tesa® 72528 | - |
| | FLEX | - | tesa® 73522 | tesa® 73524 | tesa® 73526 | tesa® 73528 | - |
| tesa Softprint® SEC-X | CLASSIC | - | tesa® 72722 | tesa® 72724 | tesa® 72726 | tesa® 72728 | - |

tesa Softprint® BigFoam 1500 µm

| Product line | Medium | Product explanation |
|----------------------------|---|---|
| |  | |
| tesa Softprint® BigFoam | tesa® 52060 | High tack plate side adhesive for plate mounting in unclean and cold conditions |
| tesa Softprint® BigFoam LT | tesa® 52062 | Medium tack adhesive for reliable plate mounting under most conditions |



Our management system is certified according to the standards ISO 9001, ISO/TS 16949, and ISO 14001. All our products delivered to automotive customers are listed in the International Material Data System (IMDS).