



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

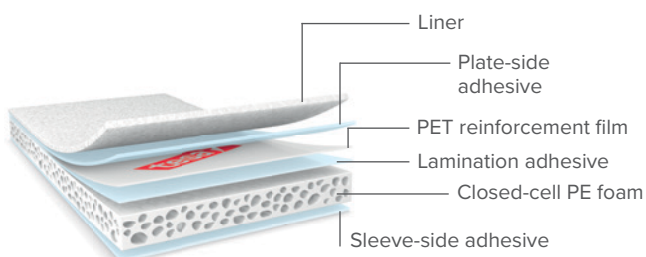
Our dedicated flexo team of more than 100 experts helps to improve overall efficiency by recommending solutions that optimize your existing set-up. We invite customers to our facilities to discuss specific product needs and testing requirements.

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

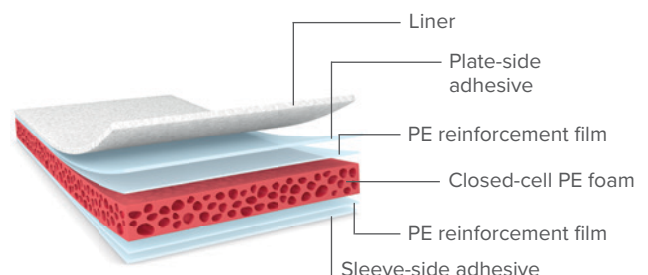
- Easy tape handling with PET reinforcement film
- Wide range of product lines for individual requirements



FLEX product design

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

- Thin-walled sleeves
- Scratched sleeve surfaces

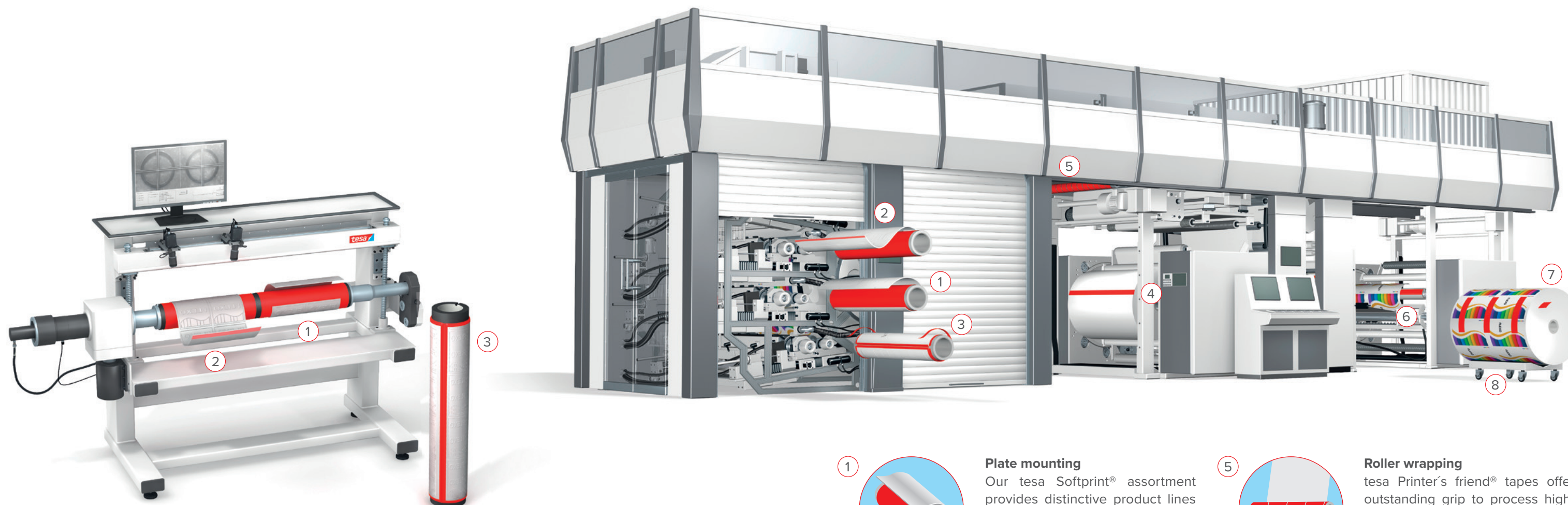


FOR MAXIMIZED EFFICIENCY

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.



HANDLING AND STORAGE CONDITIONS

Steps for optimal plate mounting

Cleaning  Plate cleaning	Mounting  Tape mounting	Demounting  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

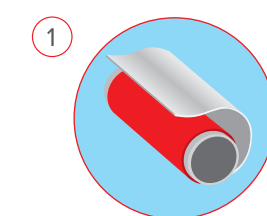
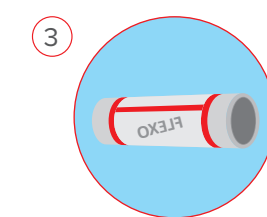


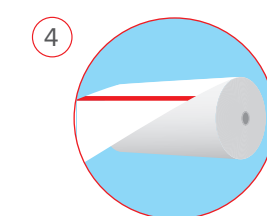
Plate mounting
Our tesa Softprint® assortment provides distinctive product lines for flexo printers to fulfill each and every requirement.



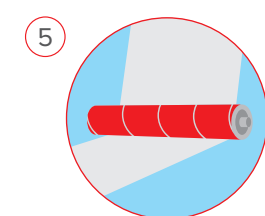
Adhesion promoter
For additional bonding strength to plate edge if needed.



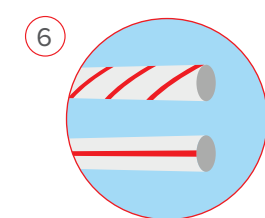
Edge sealing
Specific circumstances like older stiff plates or small cylinder diameters may require additional support against plate edge lifting.



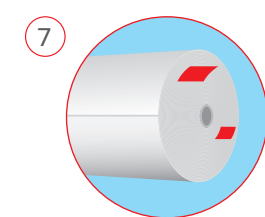
Splicing
To splice different film material we offer a comprehensive assortment of double-sided and single-sided splicing tapes.



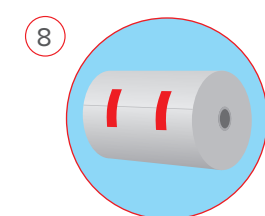
Roller wrapping
tesa Printer's friend® tapes offer outstanding grip to process high-slip materials and repel a variety of substances involved in the process (e.g. adhesives and inks).



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-splice 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

Choosing the Right Tape – the First Step for Success

Consult our online Foam Advisor for plate related tape advice.
www.tesa.com/foamadvisor

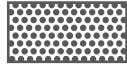





tesa® products prove their impressive quality day in, day out in demanding conditions and are regularly subjected to strict controls. All technical information and data above mentioned are provided to the best of our knowledge on the basis of our practical experience. They shall be considered as average 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.

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).