

tesa® – The High Performance Choice in Print



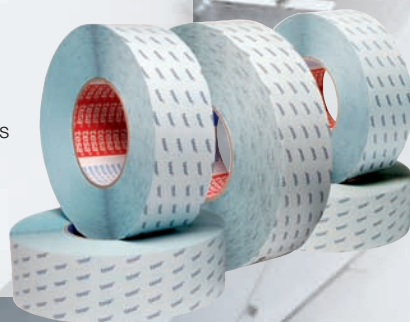
tesa® Solutions for Flying Splice in Coldset, Heatset and Rotogravure printing
ASSORTMENT FOLDER



tesa EasySplice® assortment – benefits at a glance

- Fast and easy splice preparation
- Reels storable and transportable
- High splice security

No matter which paper workflow or press configuration – due to a continuous development, tesa can offer products from a wide assortment, that ideally meet specific needs.



tesa EasySplice® Assortment

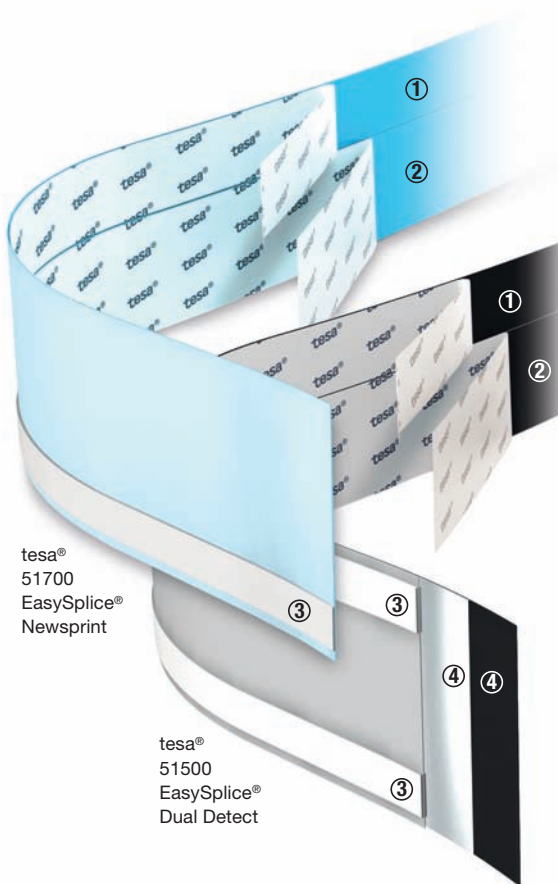
Product	Reel Storage Time	Heat Resistance	Optical Detection Feature	Inductive Detection Feature	Paper Grade Flexibility	Belt Drive Suitability
tesa® 51500 EasySplice® Dual Detect	+++	++	●	●	+	+
tesa® 51816 EasySplice® Detect Premium	+++	++	○	●	+	+
tesa® 51808 EasySplice® Black	++	++	●	○	+	+
tesa® 51806 EasySplice® Detect High Shear	++	++	○	●	+	+
tesa® 51800 EasySplice® Heatset	++	++	○	○	+	+
tesa® 51706 EasySplice® Newsprint Detect	+	+	○	●	+	+
tesa® 51700 EasySplice® Newsprint	+	+	○	○	+	+
tesa® 51600 EasySplice® Rotogravure	+	+	○	○	+++	+++
tesa® 51710 EasySplice® Beltdrive	+	+	○	○	++	++

+ Good ++ Better +++ Best ● Included ○ Not included

tesa EasySplice® – Process Improvement in Every Roll

With the invention of tesa EasySplice®, tesa has revolutionized operations in web based printing processes. The worldwide approved tesa EasySplice® assortment sets the benchmark for coldset, heatset

and rotogravure printers by making flying splice application faster, easier and more secure.



Product functions at a glance

① Fixing

- Secure attachment of the top sheet of a new reel

② Contact

- Excellent tack and high shear resistance for reliable splicing

③ Opening

- The splitting strip ensures a safe closure of the new reel during storage and acceleration
- Precise opening of the new reel after contact

④ Detection

- Integrated aluminum layer for reliable inductive detection of splice position and sorting out waste copies
- Black backing for optical detection of splice position

Please...

... open this page for feature explanation

Easy application at the reel stand



Underneath:

Attach the tape under the top layer of the reel. Then remove the narrow part of the slit liner.



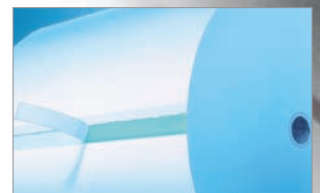
On top:

Attach the top layer onto the exposed area of the tape.



Remove:

Tear off the excess paper, following the line of the remaining section of the Liner.



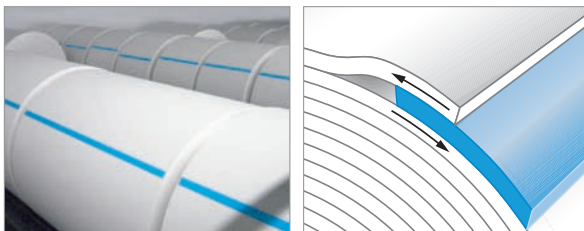
Finish!

Before accelerating the reel remove the lower part of the liner – a matter of seconds.

tesa EasySplice® – Focus on Assortment Features

Reel Storage Time

tesa EasySplice®



Due to the changing climatic conditions in modern printing plants – from delivery through to preparation, then storage and transportation to the press – tapes must withstand long lasting and high shear stress. Therefore, tesa has developed adhesives with a more durable bond for certain tapes, which meet the specific requirements of printers, that are running a central splice preparation.

Heat Resistance

Market standard



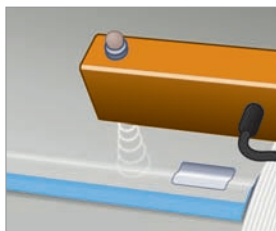
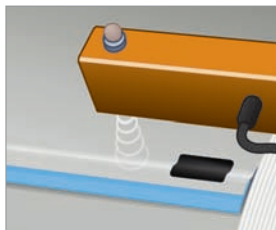
tesa EasySplice®



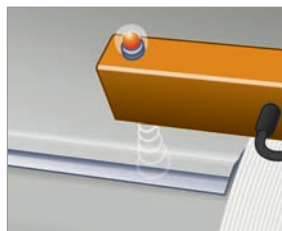
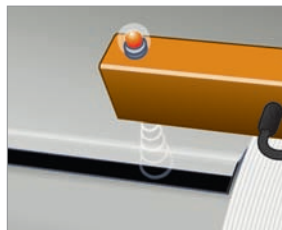
In drying units of Heatset Offset or Hybrid presses, a splicing tape must maintain a strong bond, despite high temperatures. With this in mind, tesa has engineered a high tack adhesive with outstanding temperature resistance. All tapes including this specially designed adhesive, facilitate a highly reliable production process, even in the event of the printing speed being reduced or brief print run-stops.

Optical / Inductive Detection Feature

Market Standard with incorrect positioning



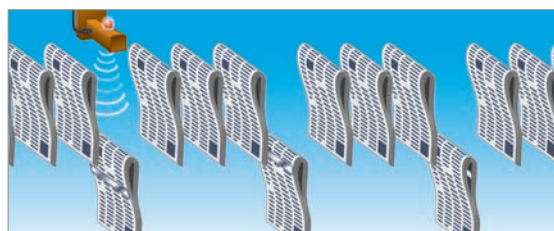
tesa® tape with integrated detection



Problems with imperfect positioning of detection labels are a thing of the past. Integrated aluminum or black coverage over the full width of the splice, ensures reliable identification at the paster.

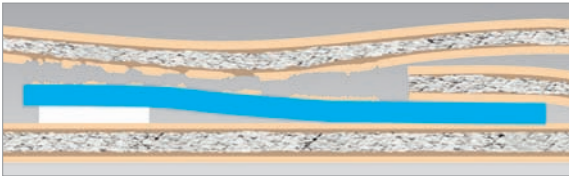
Furthermore, integrated aluminum enables an accurate recognition of each individual splice, saving you waste copies.

Efficient waste copy detection



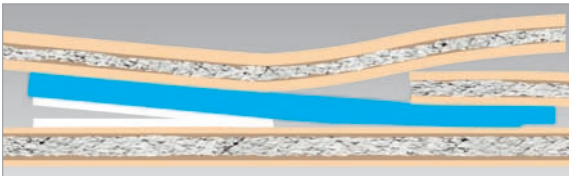
Paper Grade Flexibility

Market standard



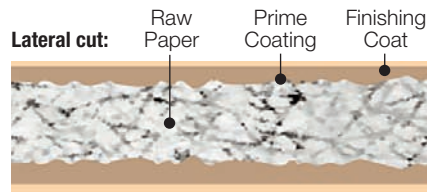
Coating is pulled of the base paper.

tesa EasySplice® for critical paper grades



Precise opening of splitting strip.

Certain paper qualities are difficult to splice due to their poor inner strength: fibers can get ripped out, coated surfaces may split off the base paper.



When it comes to the usage of such critical paper grades, tesa can ensure a reliable splicing process by providing tapes, which include specially adapted split strip opening forces and designs.

Belt Drive Suitability



Belt-driven machines present a unique set of demands for a splicing tape: the tension differences between the belt-path and the rest of the web during the splicing process can lead to tears and creases in the paper.

The special product design enables a smooth opening process eliminating creases, which rules out paper breaks or jamming in the folding unit.

Market standard



tesa EasySplice® for belt driven pasters

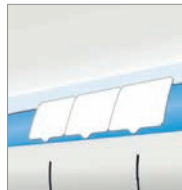


tesa® EasyBridge – Superior Belt-Covering

tesa® EasyBridges offer significant advantages for a reliable production process:

- Process safe application due to 3 mm “noses” and defined perforation
- Sealing of the whole paper web, no air pockets
- Defined additional adhesive area, due to die-cut shape, can be chosen, depending on machine and paper in use

tesa® 51720 EasyBridge (solid)



tesa® 51721 EasyBridge (dots)



tesa® 51722 EasyBridge (slots)





Conventional Splicing

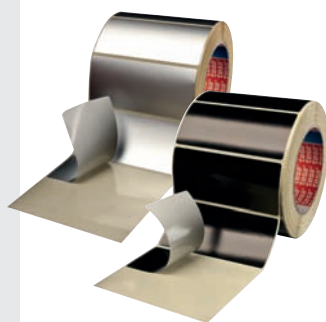
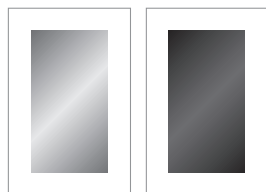
Tape and Label Assortment



Detection Labels

For optical or inductive detection purposes.

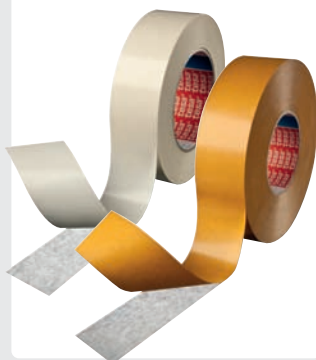
- tesa® 51003 – Alu
- tesa® 51005 – Black



Double-Sided Tapes

High tack adhesive for high splice security.

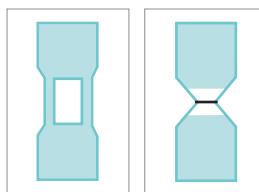
- tesa® 51914 – repulpable
- tesa® 53015 – non repulpable



Butterflies

Fully repulpable butterflies for secure closure of the top sheet

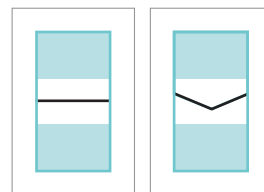
- tesa® 54243 – notched
- tesa® 54287 – two-legged

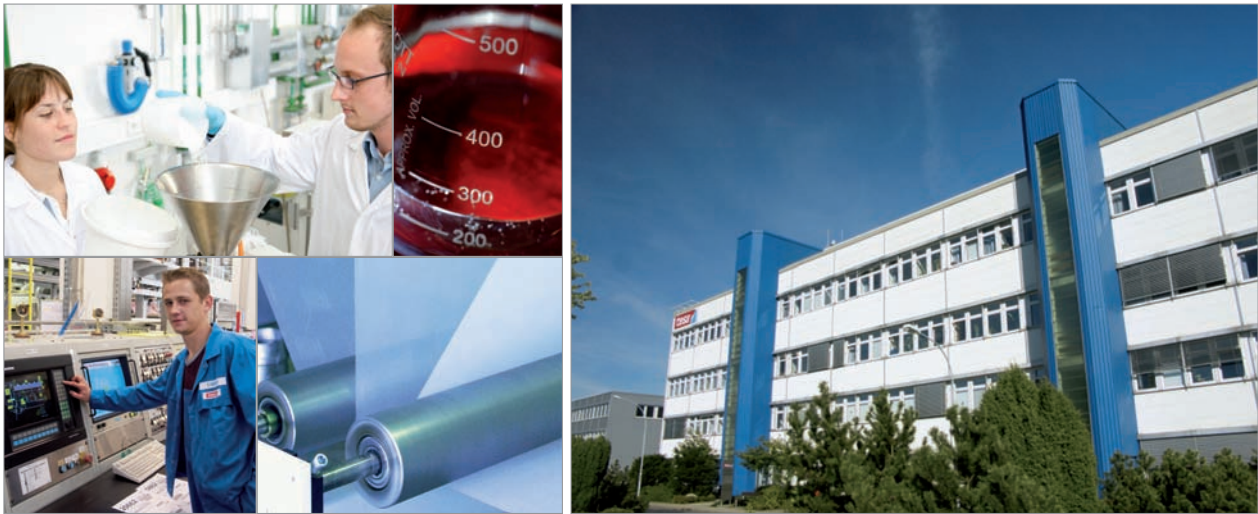


Split Labels

Rated break point labels with adhesive free center area.

- tesa® 51016 – Straight Cut
- tesa® 51017 – V-Cut





tesa SE: Worldwide Manufacturer of Self-Adhesive System Solutions. tesa SE is one of the world's leading manufacturers of self-adhesive product and system solutions for industry, trade, and consumers. The company's 125 years of experience in coating technology and its development of adhesives and innovative product solutions have taken tesa, headquartered in Hamburg, to the top of the world market in many fields of application. As a partner to industry, tesa works together with its clients to analyze their production processes in order to develop tailored solutions for increasing efficiency or optimizing end products. Research labs in Germany, the United States, China, and Singapore ensure continual development of innovative product solutions. Our company sees its orientation toward international quality, environmental, and occupational safety standards as a matter of course. As a result, we submit to regular evaluations by recognized certification companies in the context of our "Global Certification Concepts," which we impose upon ourselves, to determine whether our Hamburg headquarters and the regional subsidiaries meet these standards.

Detailed Information

For more detailed information please refer to the following brochures:

- **tesa® 51816 EasySplice® Detect Premium**
- **tesa® – The High Performance Choice for Flying Splice in Offset Printing**
tesa® 51500 EasySplice® Dual Detect
- **tesa® – The High Performance Choice in Rotogravure Printing**
tesa® 51600 EasySplice® Rotogravure



tesa® products prove their impressive quality day in, day out in demanding conditions and are regularly subjected to strict controls. All information and recommendations are provided to the best of our knowledge on the basis of our practical experience. Nevertheless 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. Therefore, 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 advise you.

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