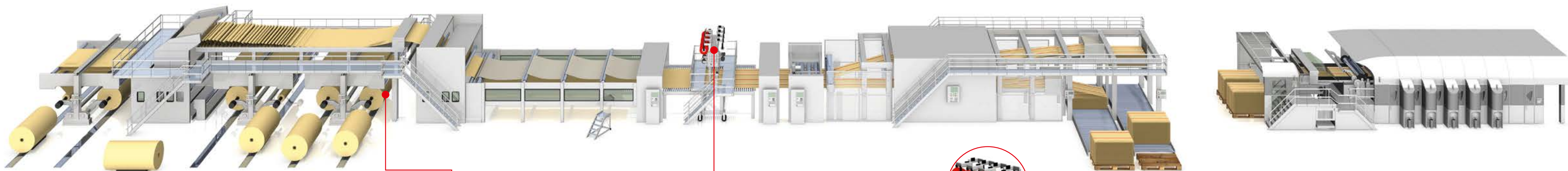


# CONTINUOUS EFFICIENCY FOR CORRUGATED BOARD PRODUCTION

Our Specialty Tapes for All Process and Design Requirements



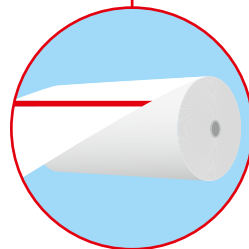
#### Full-range solution provider

Our decades of experience as one of the world's leading manufacturers of self-adhesive tape have not only resulted in a comprehensive product assortment; we at tesa also focus very much on our customers' processes and we constantly strive to understand and solve process needs. Of particular importance to the corrugator industry is not only our dedicated team of tape experts, but also our support when it comes to in-line applicator solutions.

And that is what makes us "great to work with".

#### Splicing

To splice different paper grades of liner and flute, we offer a comprehensive assortment of double-sided splicing tapes. All ensure a fast splice preparation and offer high tack for secure splicing as well as heat and shear resistance for a stable corrugated production process. Special adhesive formulas and high coating weights ensure highest performance and secure bonds, even on rough and demanding surfaces.



Applied in-line at the "dry end" of your corrugator production line, our self-adhesive specialty tapes for closing, opening, and reinforcing boxes offer highest production efficiency and process security, even at high production speeds.

#### Closing

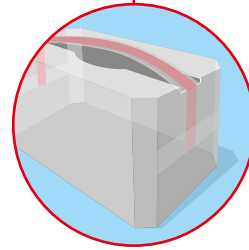
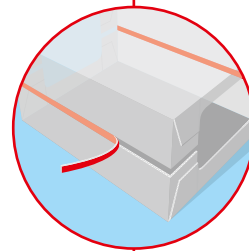
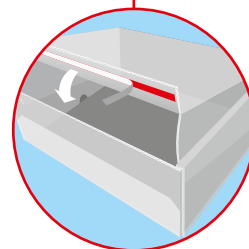
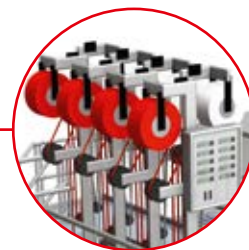
Secure closing of corrugated boxes is a matter of transport safety and premium appearance. Our assortment of double-sided tape combines well-balanced adhesion properties with different types of tape backings and liner materials, so you can always find the perfect solution to your specific application and in-line process needs.

#### Opening

Increase user-friendliness and therefore customer satisfaction by adding our self-adhesive "tear tapes" to your corrugated packaging. Tapes can be applied in-line during production and offer excellent adhesion properties as well as reliable performance during the opening of different grades of corrugated boxes.

#### Reinforcing

Add extra strength to your packaging solution when needed with our assortment of reinforcement tapes. So while reducing board thickness and weight, you can still increase maximum load and support critical areas like die-cut handles or hand holes.



#### Postprint plate mounting

We know, of course, that in your corrugator plant you normally receive your printing plates ready for printing, and in most cases you do not do the actual plate mounting (using self-adhesive tape) yourself. However, when printing directly on corrugated board, reliable tape performance is essential and the correct choice of components should not be underestimated.

If you have any needs regarding self-adhesive products for the printing of corrugated board, please get in touch with your tesa representative as your local contact of our worldwide team of Flexo printing specialists.



#### Complementary products

Besides all of the above-mentioned main self-adhesive tape applications in corrugated board production, we also offer a large assortment of complementary products. Our dedicated sales team will assist in choosing the most suitable tape for your process needs, whether it is for roller wrapping to provide extra "grip", for failure flagging, end tabbing, or general purpose tape applications, to only name a few.

# Process Improvement in Every Roll

## Splicing

Product	Adhesion to paper	Temperature resistance	Liner	Total thickness [μm]	Backing	Adhesive
tesa® 4960	••	•••	Brown paper	100	Non-woven	Acrylic
tesa® 50607	•••	••	White paper	120	Non-woven	Acrylic
tesa® 50658	•••	••	Brown paper	120	Non-woven	Acrylic
tesa® 50605	••	••	White paper	90	Non-woven	Acrylic
tesa® 68144	••	••	White paper	100	Non-woven	Acrylic

## Closing

Product	Adhesion to paper	Temperature resistance	Available liner versions (dependent on machine speed)			
			Paper	Thick paper	Film (red)	Friction film
tesa® 6965	••	•••	✓		✓	✓
tesa® 61970	•••	••	✓	✓	✓	
tesa® 6928	•	•••	✓			
tesa® 64624	•••	•	✓	✓	✓	
tesa® 6190/91 Combitape	••	•••			✓	

## Opening

Product	Application area: board weight [g/m <sup>2</sup> ]	Total thickness [μm]	Backing	Tensile strength [N/cm]	Elongation at break [%]	Color	
						White	Red
tesa® 53494	> 700	133	MOPP	345	25	✓	
tesa® 51235	> 500 < 700	111	Co-ex/MOPP	180	40	✓	✓
tesa® 51230	> 500	90	MOPP	165	25	✓	✓

## Reinforcing

Product	Backing	Total thickness [μm]	Adhesive	Tensile strength [N/cm]	Elongation at break [%]	Cut-stop function
tesa® 50050	TPP	125	Synthetic rubber	400	25	
tesa® 50060	Cross filament	175	Synthetic rubber	230	20	✓
tesa® 50020	TPP	72	Natural rubber	180	40	

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.



Our management system is certified according to the standards ISO 9001, ISO/TS 16949, and ISO 14001.