

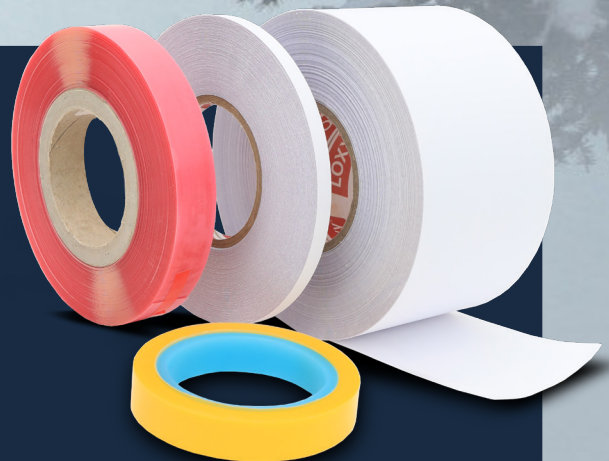


LOXY®

Shaped by Norway

Bonding film

Loxy offers a wide variety of adhesive films to meet the requirements of all types of garment related applications. Our adhesive films do not only provide the adhesion needed, but they also often perform additional design functions in the finished product by providing a seamless look and improved insulation.



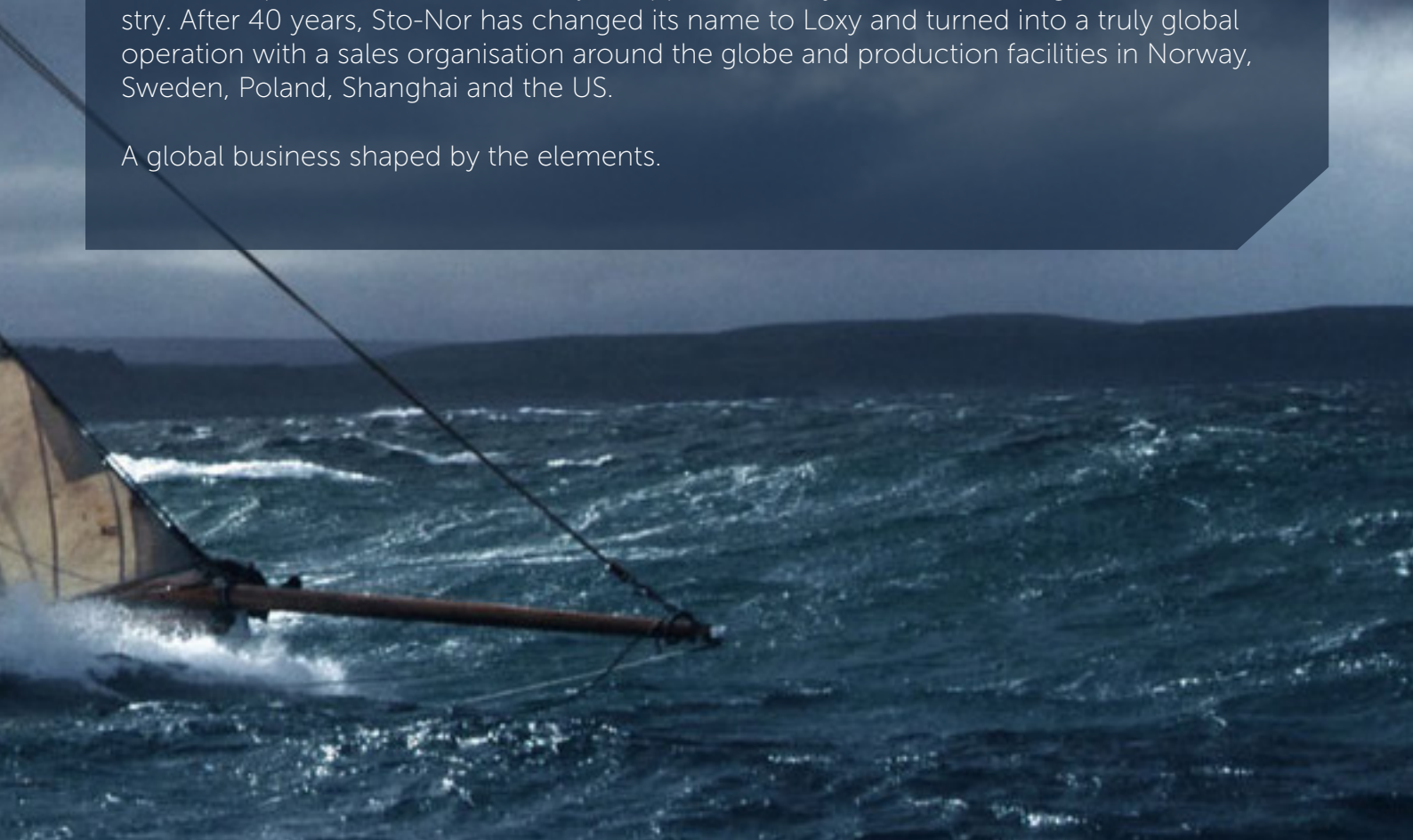


Welcome to Norway

Interaction between man and nature has its unique prerequisites wherever you are. In our case, the inspiration we get from our origin runs deep. The blue sea. The sun that never sets in the summer, and barely rises during winter. And the mountains, known to us locals as the keel. The way they fall steeply into the fjords is nothing less than spectacular. Add to this the wind and the cool climate, and you get drama. The drama that is Norway inspires us in what we do, and how we do it.

In 1970, Sto-Nor Industri AS began as a small operation based in Halden, Norway. As a sub-contractor to the textile and clothing industry we maintained a focus on our core values and pushed to become a major supplier of safety solutions to the garment industry. After 40 years, Sto-Nor has changed its name to Loxy and turned into a truly global operation with a sales organisation around the globe and production facilities in Norway, Sweden, Poland, Shanghai and the US.

A global business shaped by the elements.



Loxy Bonding films

Loxy offers a wide variety of adhesive films to meet the requirements of all types of garment related applications. Our adhesive films do not only provide the adhesion needed, but they also often perform additional design functions in the finished product by providing a seamless look. We have provided custom and complex combinations of varying layer types to help achieve efficient manufacturing methods and create better quality products.

The adhesive films we offer are the same or similar to the films we utilize for our seam sealing tape, creating highly effective water barriers in outdoor garments. Supplied in film form or roll for quick implementation into production lines, once cured our adhesive film will form a permanent structural bond able to withstand harsh environments and heavy-duty use, including elevated temperatures.

Customers use adhesive films not only to improve clothing lines but also as a strong bonding agent.

Features & Benefits

- Enhance apparel designs and improve manufacturing.
- Non-solvent type, eco-friendly products.
- Excellent adhesive strength.
- Easy to work – by laser and or hand cutting.
- Excellent washability and dry cleaning resistance.



LB500



The LB500 is optimized to be very soft and flexible. It is further optimized to have an extremely good stretch and recovery. The LB500 has one of the lowest loss in load after extensive wear and keeps the garment fitted to the user over long time.

LB600



The LB600 is optimized to be an allround bonding film. It is used for a wide variety of applications and materials. The LB600 is designed to strengthen the fabric construction and give a soft hand feel.



Sustainability

Loxy has always been very attentive to the environmental impact of its actions, and in how we are preventing pollution and investing today can guarantee a better tomorrow. In order to achieve this mission, a series of sustainable activities have been implemented, from the use of renewable energy, to the improvement of production processes, to the manufacturing of safe products in accordance with the most demanding international standards, to the creation of new green products and machines.

Certifications

Loxy Bonding Films fulfil the toughest requirements in the world, through Öko-Tex standard 100, Bluesign Certified Business Partner as well as certified according to ISO 3175 and ISO 6330.



Bluesign
Cert. 020.431.007



Oeko-tex
Cert. Ö 05-136



Reach

Trustworthy bonding solutions

LOXY has always pushed the envelope to create products that benefit all intrests. This approach is reflected yet again in another product, the BlueSign approved and Öko-Tex Class 1 LOXY LB500 bonding film.

Application:

The LB500 is optimized to be very soft and flexible. It is further optimized to have an extremely good stretch and recovery. The LB500 has one of the lowest loss in load after extensive wear and keeps the garment fitted to the user over long time.

Whether it's the advanced adhesive chemistry that creates lasting mechanical and chemical bonding or soft characteristics that mimic stretch & recovery of selected fabric, LOXY LB500 qualities are a testament to Loxy's innovation. Here we have chosen a paper carrier for easy application and to ease the use of cutting the film into the wanted shapes. Processing is also accelerated thanks to the wider window of seal ability provided by LOXY LB500 application. Loxy considers the environment to be an important factor. So it isn't surprising that LOXY LB500 has a lot of green qualities. For instance, the solvent-free, 100 % TPU used not only benefits the environment, but improves durability and sustainability.

Application will vary depending on several factors including fabrics, machinery involved, working conditions and more. Before use in bulk production, each fabric should be individually tested to ensure proper application. Based on your fabric samples, our technical team can test and advise the best application possible.



WASH CARE

Withstands home and commercial laundry conditions
Bonding films should be stored in cool, dry area in original packaging. Avoiding excessive temperatures and high relative humidity conditions (75 %) is crucial for ensure optimal performance and long shelf life (2 years). Good common inventory stock keeping like FIFO principle is highly recommended.

ARTICLE	LB500-80	LB500-100	LB500-120
Composition	TPU		
Color	Transparent		
Thickness	80µm	100µm	120µm
Weight	96g/m ²	120g/m ²	144g/m ²
Softing point	90°C		
Touch	Soft		
Carrier	Paper or plastic		
Film width	10 mm - 1 000 mm		
Laundry (ISO 6330)	40°C		

STRETCH	50 %	100 %
Force ¹	2,3N	2,6N
Recovery ²	98%	95%

APPLICATION SET UP ³	
Temperature	120-170°C
Time	15-25 sec
Pressure	3-4 bar

¹ Force required to stretch a 15mm wide sample 50% / 100% or it's original length.

² The percentage (%) of samples shape retained after a 15mm wide sample is being elongated 50% / 100% at a speed of 500mm per minute and 3 cycles.

³ Heat press settings needs to be defined for each fabric. See these settings as an indication.

Trustworthy bonding solutions

LOXY has always pushed the envelope to create products that benefit all interests. This approach is reflected yet again in another product, the BlueSign approved and Öko-Tex Class 1 LOXY LB600 bonding film.

Application:

The LB600 is optimized to be an allround bonding film. It is used for a wide variety of applications and materials. The LB600 is designed to strengthen the fabric construction and give a soft hand feel.

Whether it's the advanced adhesive chemistry that creates lasting mechanical and chemical bonding or soft characteristics that mimic stretch & recovery of selected fabric, LOXY LB600 qualities are a testament to LOXY's innovation. The unique colors on the carrier makes tracking a lot easier during production. Processing is also accelerated thanks to the wider window of seal ability provided by LOXY LB600 application. LOXY considers the environment to be an important factor. So it is not surprising that LOXY LB600 has a lot of green qualities. For instance, the absence of paper carrier minimizes impact on the eco-system. Furthermore, the solvent-free, 100 % TPU used not only benefits the environment, but improves durability and sustainability.

Application will vary depending on several factors including fabrics, machinery involved, working conditions and more. Before use in bulk production, each fabric should be individually tested to ensure proper application. Based on your fabric samples, our technical team can test and advise the best application possible.



WASH CARE

Withstands home and commercial laundry conditions
Bonding films should be stored in cool, dry area in original packaging. Avoiding excessive temperatures and high relative humidity conditions (75 %) is crucial for ensure optimal performance and long shelf life (2 years). Good common inventory stock keeping like FIFO principle is highly recommended.

ARTICLE	LB600-50	LB600-100	LB600-150	LB600-200	LB600-250	Test method
Suitable Fabric*	50 - 100 g/m ²	80-140 g/m ²	120-200 g/m ²	150-300 g/m ²	250-400 g/m ²	
Total Thickness (50/50)	50 µ/2 mil	100 µ/4 mil1	50 µ/6 mil2	00 µ/8 mil	250 µ/10 mil	
Total Weight	60 g/m ²	120 g/m ²	180 g/m ²	240 g/m ²	300 g/m ²	
Colour protection film	Green	YellowR	ed	Blue	Black	
Standard width 1050 mm	17, 20, 22 and 25. Other widths available for custom slitting.					
Quantity per roll	100 mts					
Application Temp	130 - 140 °C / 266 - 284 °F					ISO 30 6
Service Temperature	-40 - 70 °C					ISO 974/ ISO 18 8
Recommended Washing Temp	60 °C6	0 °C	60 °C6	0 °C	60 °C	ISO 6330
Dry Cleaning Resistance	✓					ISO 3175

* All fabrics should be tested to find the most suitable tape and application settings before bulk production.



Shaped by Norway

loxy.com