PRINTING & CONVERTING INDUSTRY

TECHNICAL TAPES FOR SPLICING

NOVACEL
Beyond The Surface

CONTENT

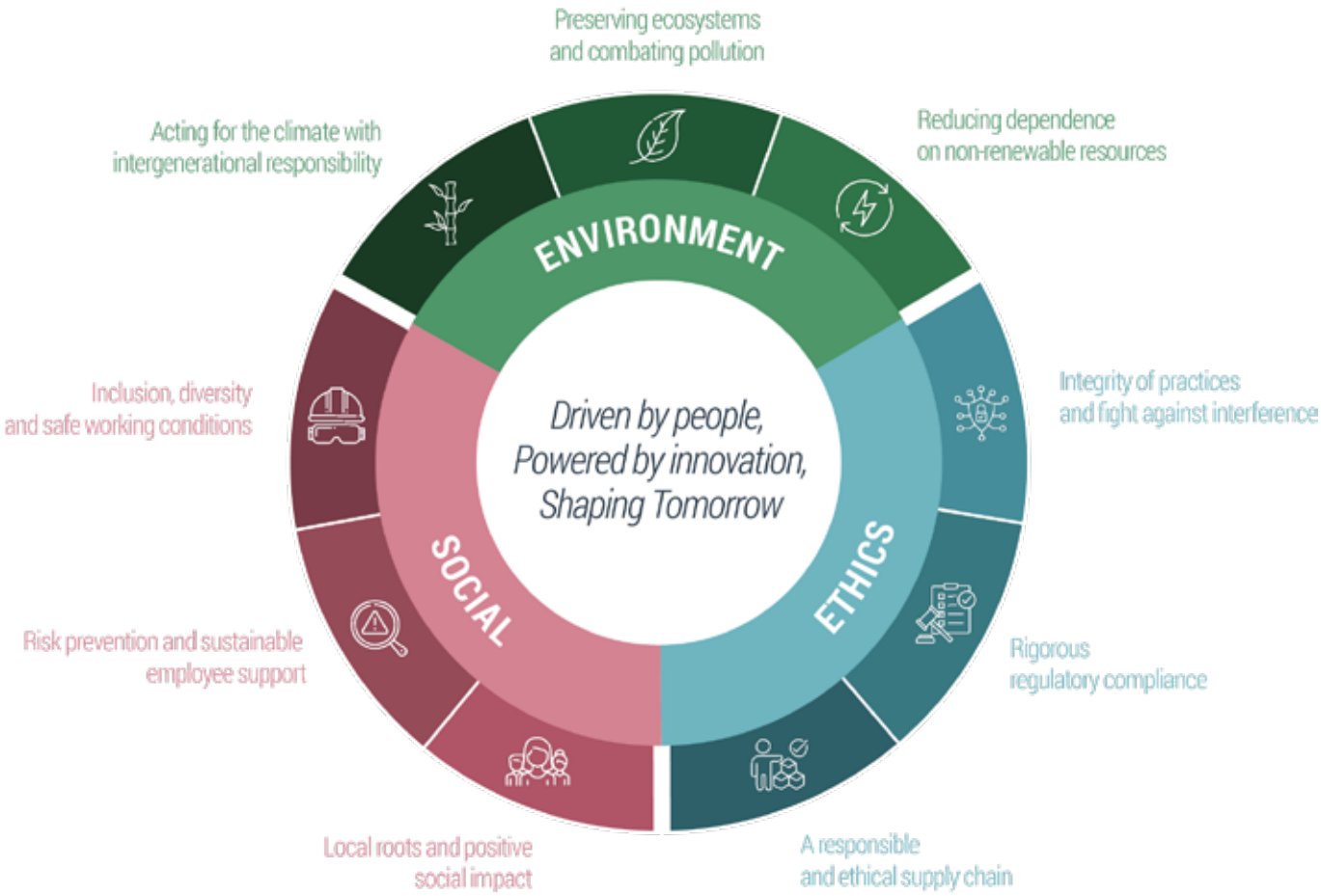
ABOUT NOVACEL

As a 40-year-old worldwide leader in surface solutions, Novacel proposes a comprehensive offer to its customers, ranging from industrial process films to technical tapes and paper products, machines and associated services.
Novacel continuously focuses on expertise and innovation to provide its customers and partners with the most appropriate recommendations to add value to their materials and to help enhance their industrial efficiency.

Novacel is present in **90 countries** with more than **750 employees** and several production sites worldwide. In line with its 'Beyond the Surface' ethos, Novacel is deeply committed to sustainability and innovation for People and the Planet.

NOVACEL'S CSR STRATEGY

Aware of the current environmental, social, and ethics challenges, Novacel is committed to an ambitious and responsible CSR approach. This strategy is embodied through nine concrete commitments that guide our daily actions and strengthen our contribution to sustainable development, respecting all our stakeholders.



NOVACEL TAPES: YOUR EXPERT FOR SPLICING APPLICATIONS

Novacel Tapes specializes in the **production and conversion of high-performance technical adhesive tapes** and has been operating on the global market for over 30 years. Our team of engineers and researchers are experts in formulating and mixing adhesives, including solvent-based, acrylic, silicone and water-based, as well as in coating and converting. Our technical adhesive solutions have a multitude of applications, including manual and automatic splicing, sealing, fixing, strapping and masking.

Novacel Tapes have been **trusted for flying splices in the paper producing, converting and printing industry** for many years. Our latest generation of splicing tapes provides even better performance thanks to their improved adhesive, combined with the most reliable product design and a tailor-made range for all substrates used for these applications.

We offer a **comprehensive Q2-Splice tapes range for automatic splicing processes, double-sided and single-sided tapes for conventional application**, and **process tapes for the entire production process**. Our splicing solutions enable rapid splice preparation and offer strong adhesion for a secure splice, as well as heat and shear resistance for a stable production process. Special adhesive formulations and high coating weights guarantee excellent performance and secure bonds, even on demanding rough and non-polar surfaces.

Q2-SPLICE TAPES

THE BEST SOLUTION FOR AUTOMATIC SPLICING

Our Novacel Q2-Splice tapes range is specifically designed for **high-speed flying splice applications** for paper and filmic material production and converting processes: flexographic, rotogravure and offset printing, along with lamination and coating.

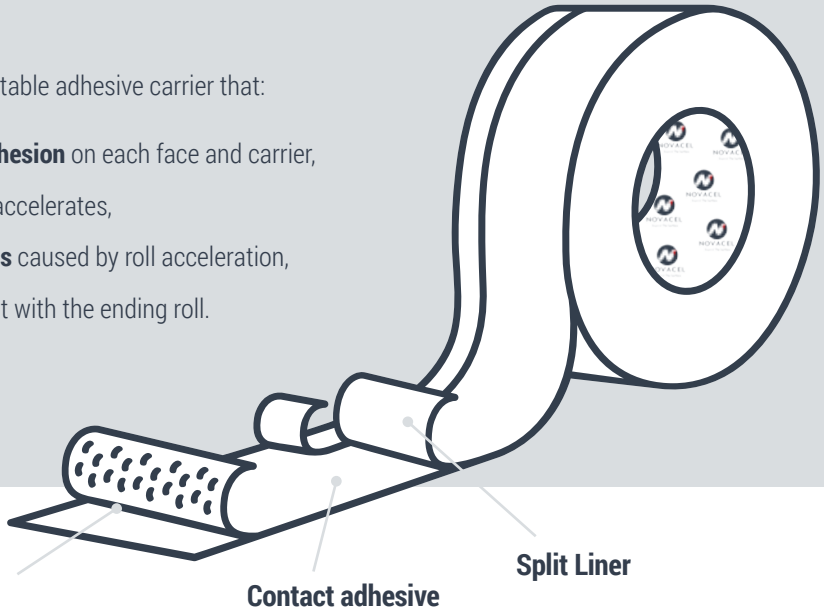
Q2-Splice Tapes provide **enhanced process efficiency** and **reduced splice failure rates.** Preparing a Novacel Q2-Splice is **quick and easy**: we estimate that operators can achieve a **75% time saving** compared to traditional adhesive tape.

For reel preparation, **no need additional split labels** or extra tape: simply apply a single line of Q2-Splice tape!

This means that compared with conventional methods, the higher splice performance of Q2-Splice tapes **simplifies and optimizes the process**, as well as **reducing wastage and cost**.

Novacel Q2-Splice consists of a self-splittable adhesive carrier that:

- provides **very high instantaneous adhesion** on each face and carrier,
- ensures **safe closure** as the new roll accelerates,
- **prevents the formation of air pockets** caused by roll acceleration,
- enables **precise opening** after contact with the ending roll.



SPEED-UP PRODUCTION

TIME SAVING

REDUCED WASTE

COST SAVING

EASY-RELEASE SPLIT LINER
SAFE FIXATION ON TOP LAYER

HIGH TACK AND VERY GOOD ADHESION
OPTIMAL SPLICE PERFORMANCE

SMOOTH LAYER SEPARATION
CONTROLLED ROLL CHANGE

HAND TEARABLE
EASY APPLICATION

SPLICE DETECTION
OPTICAL/INDUCTIVE AVAILABLE

NOVACEL
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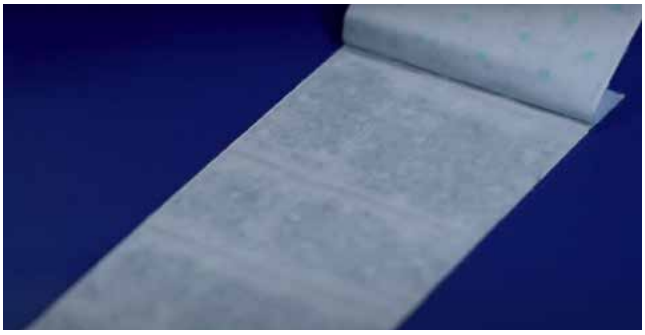
QUICK AND EASY APPLICATION OF NOVACEL Q2-SPLICE



◂ 1. Check the tape roll

Check the roll is intact. The carrier should not be pre-split at the beginning of the roll (no exposed adhesive). However, if pre-separated, just peel the top layer from the roll until it is back together with the bottom layer and cut off the split part.

◂ 2. Apply the tape to the new roll

Apply the tape under the top layer of the reel. The narrow section of the split liner should be on the bottom. Always use a squeegee to ensure a secure bond across the width of the roll and avoid premature opening of the tape. For optimal performance leave a gap from the right and left edges to avoid exposed adhesive. For higher machine speeds use a tape in a wide width.

◂ 3. Remove the narrow part of the liner

Remove the liner with your fingers or a metal tool. To remove the lower liner, start about 1 cm from the reel edge and from the center of the tape width. Pull down to peel off the liner.

◂ 4. Apply the top layer of the new reel

Attach the top layer to the exposed adhesive of the tape. To avoid air pockets and damage to the web, use a squeegee for best adhesion and trim the paper edges at both sides of the tape. Remove the overlapping excess substrate.

◂ 5. Remove the wide part of the liner

Before accelerating the reel to complete the splice, carefully remove the lower part of the liner. Once the liner is removed, proceed with the splice to avoid dust that could compromise adhesive performance. Also, do not cover the contact adhesive with extra tape or glue.

Q2-SPLICE RANGE

Product	Suitable for	Main features	Carrier	Color	Adhesive	Splice thickness (µm/mils)	Tack	T° resistance
BN 3120	• Flying splices on paper • Converting processes • Web offset and flexo/roto printing processes	• Inductive detection • High tack • High temperature resistance • Good resistance to environmental conditions	Aluminum paper		Modified acrylic	110 / 4.3		
BN 3170	• Flying splices on paper • Converting processes • Web offset and flexo/roto printing processes	• High tack • High temperature resistance • Good resistance to environmental conditions	Paper		Modified acrylic	110 / 4.3		
NEW BN 3190	• Flying splices on paper • Converting processes • Web offset and flexo/roto printing processes	• Optical detection • High tack • High temperature resistance • Good resistance to environmental conditions	Paper		Modified acrylic	110 / 4.3		
BN 3250	• Very high speed flying splices on paper • Laminating and converting processes • Coaters and calanders in the paper mill industry	• High tack • High temperature resistance • Fully repulpable adhesive tape* • FDA compliant	Paper		Water soluble acrylic	110 / 4.3		
BN 3501	• Flying splices on film materials • Flexo/Roto printing and converting processes	• Hand-tearable • High tack	Paper		Natural rubber and resins	140 / 5.5		
BN 3510	• Flying splices on film materials • LSE/High slip substrates • Flexo/Roto printing and converting processes	• Very high tack • Hand-tearable • FDA compliant	Paper		Synthetic rubber	140 / 5.5		
NEW BN 3550	• Flying splices on film materials • LSE/High slip substrates • Flexo/Roto printing and converting processes	• Very high tack • Low splice thickness • High conformability • FDA compliant	PET		Synthetic rubber	120 / 4.7		

** Proven repulpability according to TAPPI UM 213 over full pH-range*

NOVACEL
Beyond The Surface

CONVENTIONAL SPLICING TAPES

NOVACEL DOUBLE-SIDED TAPES

Double-sided tapes are intended for conventional **flying and manual splices**, and especially for **overlapping splice applications** in a range of converting processes, plus laminating, printing, and coating. Novacel double-sided tapes are made with rubber or silicone adhesive and will meet all your needs.

Product	Suitable for	Main features	Carrier	Color	Adhesive	Liner	Splice thickness (µm/mil)	Tack	T° resistance
BN 811	• Flying/Static splices on paper, cardboard and film • Coating and lamination processes	• Versatile splicing tape • High tack • High temperature resistance • High conformability	PET		Acrylic	White siliconized paper	90 / 3.5		
BN 880	• Static splices on siliconized and LSE materials • Coating and lamination processes	• High cold and heat resistance • High water and chemical resistance • Liner for easy application • Colored carrier for easy detection • Easy and clean removal	PET		Silicone	Transparent fluoro-siliconized PET film	100 / 3.9		
BN 20700	• Flying/Static splices on paper, cardboard and film • Printing and lamination processes • Core starting and reel closing	• Versatile splicing tape • High tack • High temperature resistance • High conformability • Hand-tearable	Non-woven		Acrylic	White siliconized paper	85 / 3.3		
BN 20900	• Flying/Static splices on paper, cardboard and film • Heavy paper and corrugated board • Printing and lamination processess • Core starting and reel closing	• Versatile splicing tape • High tack • High temperature resistance • High conformability • Hand-tearable	Non-woven		Acrylic	White siliconized paper	125 / 4.9		
BN 21000	• Flying/Static splices on paper, cardboard and film • Irregular surface and LSE materials • Printing and lamination processess	• Versatile splicing tape • High tack • High temperature resistance • High conformability • Hand-tearable	Non-woven		Acrylic	White siliconized paper	160 / 6.3		
BN 7007	• Flying splices on paper (W/tubular profile) • Cold-set web offset printing	• High tack • Medium temperature resistance • Hand-tearable	Non-woven		Water soluble acrylic	White siliconized paper	100 / 3.9		
BN 22500	• Flying/Static splices on plastic film materials • LSE materials • Core starting • Flexo/Roto printing and laminating processes	• High tack • Hand-tearable	Paper		Natural rubber and resins	White siliconized paper	150 / 5.9		

NOVACEL SINGLE-SIDED TAPES

Single-sided tapes are intended for **conventional manual splices**, which means **butt splices**. They are also advised for other applications, such as **core starting** and **roll closures**, and in various converting processes, as well as laminating, printing, and coating.

Novacel single-sided tapes comprise a paper or film backing with natural rubber or silicone adhesive and offer a wide range of solutions to accompany your splice applications.

Product	Suitable for	Main features	Carrier	Color	Adhesive	Liner	Splice thickness (µm/mil)	Tack	T° resistance
BN 23	• Static splices on siliconized and LSE materials • Coating and lamination processes	• High cold and heat resistance • High water and chemical resistance • Colored carrier for easy detection • Easy and clean removal	PET		Silicone	-	60 / 2.3		
BN 53	• Static splices on siliconized and LSE materials • Coating and lamination processes	• High cold and heat resistance • High water and chemical resistance • Coloured carrier for easy detection • Easy and clean removal	PET		Silicone	-	80 / 3.1		
BN 38	• Static splices on siliconized and LSE materials • Coating and lamination processes	• High tack • High conformability • High cold and heat resistance • High water and chemical resistance • Easy and clean removal	PET		Silicone	-	100 / 3.9		
BN 1011	• Static splices on siliconized and LSE material in coating and lamination processes • Splicing of release paper in synthetic leather production process	• High tack • High conformability • High cold and heat resistance • High water and chemical resistance • Ease of roll unwinding • Clean removal after use	Fluoro-siliconized PET		Silicone	-	70 / 2.7		
BN 6220	• Manual splices on paper and cardboard • Reel closure • Converting processes	• Strong adhesion • Medium temperature resistance • Hand-tearable	Semi-crepe paper		Natural rubber and resins	-	120 / 4.7		

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FIND YOUR MATCH

	Q2-SPLICE TAPES							DOUBLE-SIDED TAPES							SINGLE-SIDED TAPES				
	BN 3120	BN 3170	BN 3190	BN 3250	BN 3501	BN 3510	BN 3550	BN 811	BN 880	BN 20700	BN 20900	BN 21000	BN 22500	BN 7007	BN 23	BN 53	BN 38	BN 1011	BN 6220
Web Material																			
Paper	●	●	●	●				●		●	●	●		●					○
Cardboard								○		●	●	○							○
Plastic film					●	●	●	○	○	○	○	○	●		○	○	○		
Siliconized material									●						●	●	●	●	
High slip material						●	●		○						○	○	○	○	
Application																			
High-speed flying splice	●	●	●	●	●	●	●	○		○	○	○	○	○					
Low-speed flying splice	●	●	●	●	●	●	●	●		●	●	●	●	●					
Static splice								●	●	●	●	●	○		●	●	●	●	●
Optical splice detection			●																
Inductive splice detection	●																		
Core starting								○		●	●	●	●				○		○
Roll closure								○	○	●	●	○			●	●	●		●

● Ideal ○ Suitable

A formal approval process by Novacel experts is imperative before using our products. Our technical data sheets are available on request.

Due to the very wide range of applications of Novacel tapes, in addition to major variation in use conditions between companies, Novacel recommends that you systematically carry out qualification tests on an industrial line before using the product, informing us of the results.

NOVACEL FULLY COMPREHENSIVE OFFER

TECHNICAL PAPERS

Novacel offers a wide range of technical papers for the printing industry:

- **adhesive coated papers** utilized in the printing, packaging and construction industries
- high performance **casting papers** in both matte and high gloss finishes for the casting of vinyl films
- apparel **heat transfer papers and films**
- **release papers** utilized in the traditional production of high pressure laminates (HPL) as well as new technology such as continuous pressure lamination (CPL)

More information at www.novacel-solutions.com/products/technical-papers

MACHINES

Novacel's offering is fully comprehensive, covering all your machinery needs. With its **Omma and Walco brands**, Novacel Special Machines can **develop, manufacture, and install special machines for the Lamination, Printing & Converting industries**.

With 60 years, and counting, of extensive experience, our brands offer unparalleled innovation and reliability. We will co-develop with you the machine you are looking for, **meeting all your technical specifications,** and **increasing efficiency** across all your processes.

More information on www.walcomachine.com

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Novacel group - 03/2026

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