



— PRINTING & CONVERTING INDUSTRY

TECHNICAL TAPES FOR SPLICING



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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 the 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 is part of the Chargeurs Group.

NOVACEL'S COMMITMENT TO PEOPLE AND THE PLANET

Novacel's Corporate Social Responsibility Strategy is organized around three pillars:

- **Creating a responsible industrial community**
- **Minimizing our environmental impact**
- **Eco-designing our products**

As a responsible manufacturer, Novacel takes responsibility for the impacts of its decisions and activities on society and the environment. Given this, Novacel promotes operational excellence and staff engagement through regular team upskilling and training. Moreover, through our responsible purchasing charter, we strive to adhere to ethical business practices with our partners. Our employees' approach to their work is governed at all times by the Chargeurs Group's Code of Conduct.

Reducing the environmental impact of our products by innovating right from their initial conception up to their end-of-life and taking care of teams' and customers' health are at the heart of Novacel's CSR Strategy.



LOW ENERGY CONSUMPTION

In Italy, at our production plant for tapes, we have **reduced our environmental impacts** and the **use of energy resources** by updating the production line and equipment in line with the Best Available Technologies (BAT) and Carbon Footprint regulations. As examples, we use cogeneration and have installed 2000sqm of solar panels.

We are particularly proud of our **safety culture**, which is deeply ingrained in the workforce. Very high levels of investment over the years, in addition to training, have allowed the site to achieve the significant target of 1,500 days without injuries, a benchmark for the sector.



SAFETY

Novacel is certified:



Novacel is a member of AFERA, the European Adhesive Tape Association. As an active member of AFERA, Novacel collaborates with experts and professionals from across Europe to shape the future of the industry.

NOVACEL TAPES: YOUR EXPERT FOR YOUR SPLICING APPLICATIONS

The Printing & Converting and Paper Mill industries use modern printing machines running at high speeds and producing exceptional printing results. Which means that it is essential to secure and consolidate the efficiency of these manufacturing and printing processes by choosing the right partner with the best solutions.

For many years, Novacel Tapes has proved its worth for flying splices in the printing and converting industry. Our latest generation of splicing tapes offers even better performance thanks to its improved adhesive, combined with the most reliable product design and a tailor-made assortment for all substrates used for these applications.

We offer a comprehensive range of Q2 Splice, Single-Sided and Double-Sided tapes. They enable a 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 high performance and secure bonds, even on demanding rough and non-polar surfaces.

WHY USE NOVACEL SOLUTIONS?

> A Global Solution Provider

Novacel offers complete solutions with processing films, technical tapes, paper products, machines and associated services.

> Unique features for your specific needs

We create innovative solutions to improve your industrial efficiency and ensure the well being of people.

> Expertise & Technical Support

Our teams are dedicated to providing you with the best experience and assisting you from the initial search for the right solution right up to its final implementation.

> A Strong CSR Commitment

Novacel works continuously on its carbon footprint by improving its production, creating eco-responsible solutions and putting human well-being at the heart of its strategy.





— Q2 SPLICE TAPES

Q2-Splice tapes are the best solutions for **automatic splicing processes** in the paper mill and printing and converting industries. They provide **enhanced process efficiency and reduced splice failure rates**.

Preparing Novacel's Q2 Splice is **quick and easy**: we estimate that operators can make a **75% time saving** compared to using traditional adhesive tape. Novacel Q2 Splice is a self-splittable paper carrier that has an adhesive and provides **very high**

instantaneous adhesion on each face and carrier. It ensures **safe closure** as the new roll accelerates. It also **prevents the formation of air pockets** caused by that acceleration and **enables precise opening after contact** with the ending roll. Thanks to Q2 Splice you do not need a fixing label for the reel and you can reduce the numbers of different labels.

And of course, limiting the splicing tail will save on material. You will **reduce wastage!**

NOVACEL ASSETS

This offer can address all types of converting process such as "flexo" and rotogravure printing as well as laminating processes:

- **High tack and very good adhesion** even on low energy surfaces
- **Very good splitting/separation capability** for a smooth, safe roll changes
- **Can be torn by hand**
- **Easy-release** split liner
- Also available with an optical or inductive detection feature



HOW TO APPLY NOVACEL'S Q2 SPLICE TAPE?



1st step: Apply the tape to the new roll.



2nd step: Remove the narrow liner.



3rd step: Reverse wind substrate back on itself and apply it to the adhesive part. Then remove the overlapping excess substrate.



4th step: Remove the wide liner from the tape.



5th step: New web-material is ready for a flying splice.

The automated flying splice process will continue and the tape will split to allow new web material to continue through the press and coating process.



	Description	Color	Carrier/ backing	Liner	Adhesive	Total Thickness ($\mu\text{m}/\text{mils}$)	Temperature Resistance
BN 3110	Self-splittable tape for high-speed flying splices on cold web offset processes : with aluminized paper backing for inductive detection.	Silver Green	Splittable metalized paper laminate	White siliconized split paper	Modified acrylic	110 μm / 4.3 mils	Good
BN 3160	Self-splittable tape for high-speed flying splices on cold web offset, rotogravure printing, coating and lamination processes .	Green	Splittable paper laminate		Modified acrylic	110 μm / 4.3 mils	Good
BN 3250	Self-splittable tape for high-speed flying splices in different printing, laminating and coating processes requiring good temperature resistance.	Green	Splittable paper laminate		Repulpable acrylic	110 μm / 4.3 mils	High
BN 3501	Self-splittable tape for high speed flying splices on filmic materials in converting, laminating and printing processes .	Red	Splittable paper laminate		Natural rubber and resins	110 μm / 4.3 mils	Good
BN 3510	Self-splittable tape for high-speed flying splices on filmic materials in converting, laminating and printing processes .	Blue	Splittable paper laminate		Synthetic rubber and resins	140 μm / 5.5 mils	Medium

— SINGLE-SIDED AND DOUBLE-SIDED TAPES

SINGLE-SIDED

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 processes.

Novacel Single-Sided tapes comprise a **paper or film backing** with **anatural rubber or silicone adhesive** and offer a wide range of solutions to accompany your splice applications.



DOUBLE-SIDED

Double-sided tapes are intended for **conventional flying and manual splices**, and especially for **overlapping splice applications** in various converting processes and laminating, printing, and coating processes.

Novacel Double-sided tapes are made with **rubber or silicone adhesive** and will meet all your needs.

NOVACEL ASSETS

- **High tack and very good adhesion** even on low energy surfaces for silicone tape
- **High temperature resistance** for a range of converting processes

	Description	Color	Carrier/backing	Liner	Adhesive	Total Thickness (µm/mils)	Temperature Resistance
BN 6220	Semi-crepe paper tape with strong natural rubber adhesive, for manual splices on different substrates .	Brown	Semi creped-paper	/	Natural rubber and resins	120 µm / 4.7 mils	Medium
BN 23	Single-sided PET tape with silicone adhesive for splicing in coating and lamination processes; also for splicing siliconized papers .	Light green clear	Polyester	/	Silicone	60 µm / 2.3 mils	High
BN 38	Single-sided PET tape with silicone adhesive for splicing in coating and lamination processes; also for splicing siliconized papers .	Orange	Polyester	/	Silicone	120 µm / 4.7 mils	High
BN 22500	Double-sided paper tape with natural rubber and resin adhesive for flying splices on filmic materials in converting, laminating and printing processes	Red	Paper	White siliconized paper	Natural rubber and resins	160 µm / 6.2 mils	Medium
BN 880	Double-sided PET silicone adhesive tape for splicing in coating and lamination processes; also for splicing siliconized papers .	Blue	Polyester	Clear Siliconized PET film	Silicone	100 µm / 3.9 mils	High
BN 7007	Double-sided repulpable tape for high-speed flying splices on coldset web-offset printers .	Green	Cellulose nonwoven	White siliconized paper	Repulpable acrylic	100 µm / 3.9 mils	Medium

NOVACEL MACHINES TO INCREASE YOUR EFFICIENCY

CUSTOM-MADE MACHINES

Novacel's offering is fully comprehensive and can meet 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, and counting, years of deep 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, to increase your efficiency** in all your processes.



NOVACEL ASSETS

- **All sizes of machines**, for different widths or heights of substrate
- **High-speed** machines
- **All types of applications and processes** - Possibility of **robotization & automatization** of your process
- **Integration** in a production line or as a stand-alone unit

- **Services:** Installation and startup, maintenance, troubleshooting and software updates

OUR STRENGTHS:

- **CAD Design** (Solidworks R2023)
- **Programming PLC Siemens, Schneider & Rockwell**
- **Robot Programming**
- Mechanical assembly, wiring
- **Modification and securing** of existing machines
- **R&D trained** in Machine Safety Guidelines and Standards (EC Directive)



NOVACEL SERVICES TO EASE YOUR BUSINESS



PRODUCT RECOMMENDATION

Benefit from Novacel expertise: choose the best solution for your materials and substrates, make your processes even more efficient and your carbon impact even smaller. A whole team is dedicated to product recommendations to make sure your expectations are satisfied more effectively, and this applies in all four corners of the world.

PRODUCT CUSTOMIZATION

Thanks to our many distribution partners worldwide, we can deliver our solutions anywhere on the planet. Thanks to our network of distributors, we are able to deliver products ready for widening as close as possible to our customers. Dedicated experts are available at all our locations to support you.



PACKAGING CUSTOMIZATION

Novacel is keen to ensure that you receive our products in the condition in which they left our site. With this objective in mind, we pay close attention to the packaging of our products. Adapting them to perfectly match the required conditions, we handle every stage in delivery: road, maritime, air transportation or special storage, using the right packaging to meet all safety standards. If you have a specific request, contact us and we will look into it with you.

TECHNICAL SUPPORT

In order to help you enhance the quality of your products, a dedicated team at Novacel will do everything in their power to assist you. Our team of experts is available at all times to respond to your queries and requests and help you define the best solution right up to final implementation, including determination of the adjustment settings for your application machinery.



CUSTOMER PORTAL

Need to get information outside of working hours? Go online to our new customer portal www.my.novacel.world and review all your account activities online with just a few clicks*: detailed Novacel order history, order status, product info, requests, bills.

*for direct customers only

**For more information or any request, please contact us:
contact@novacel-solutions.com**

— FIND YOUR MATCH

A formal approval process by Novacel experts is imperative before using our products. Our technical data sheets are available on request. Since the applications of NOVACEL tapes are very wide-ranging and the conditions of use may vary from one company to another, NOVACEL recommends that you systematically carry out qualification tests on an industrial line before using the product and that you inform us of the results.

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For more grades or information, please consult your sales representative.



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