



— TRANSFER PAPERS AND FILMS





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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 processing films to technical tapes, 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 contribute to enhancing their industrial efficiency.

Novacel is present in **90 countries** with more than **750 employees** and number of production sites worldwide. Following its 'Beyond the Surface' ethos, Novacel is deeply committed to sustainability and innovation for People and the Planet. Novacel is part of Chargeurs Group.

NOVACEL'S COMMITMENT TO PEOPLE AND THE PLANET

Novacel Corporate Social Responsibility Strategy is organized around 3 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 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 CSR Strategy.



Novacel is **Oeko-Tex® Standard 100 certified for its Textile Heat Transfer products**. This certification attests that our solutions contain no chemicals harmful to health or the environment.



INTRODUCTION

Decorative Transfer Printing is a method used to apply intricate designs, patterns, and images onto textiles, whatever the fabric type: cotton, polyester or acrylic. This technique is based on transferring designs from a carrier paper or film onto fabric using heat and pressure. To achieve this, **professionals in the textile printing industry expect transfer substrates to offer consistent performance, durability, versatility, and cost-effectiveness.** High-quality transfer substrates play a major role in achieving vibrant, detailed, and long-lasting prints on textiles, meeting the demands of both producers and consumers.

Novacel is a coating expert for apparel heat transfer, using either paper or film, for hot, cold or tepid application. We offer **a broad, comprehensive range of Heat Transfer solutions.** Our transfer papers and films are quality controlled at every stage of their manufacturing process to ensure only high performing products are delivered to our customers. It offers all the **benefits and safety** that come from specially designed high-performance release coatings.

Novacel focuses on innovating and developing new products to answer your needs and to help you create new opportunities for growth. The level of performance and reliability of our films and papers, together with an excellent service platform, **help you to optimize your business for continuous success.**

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 to take care 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 best solution right up to its final implementation.

> A Strong Corporate Social Responsibility Commitment

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





— A COMPREHENSIVE OFFERING FOR APPAREL TRANSFER

Novacel is **the only solution designer mastering all three applications** (hot, cold and tepid peel) on the two **leading-edge technologies** (film and paper), to offer the widest choice of solutions for apparel transfer. Thanks to years of experience and cooperation, Novacel can help you determine the best option between **film or paper**, depending on:

- The **material type** (polyester, polyurethane or cotton)
- The **machine used** (HP Indigo printers, LASER printers, screen printers...)
- The **needs of the end user**: high-quality print & transfer, stability, curl control, drying time, transparency, static, shelf life and cost

WHAT ABOUT NEW PRODUCT DESIGN?

Utilizing our Novacel Technical Center, we have the knowledge and capability to formulate a new product based on your needs. Scaling up design and production allows us to adjust product properties and check process feasibility for new materials and formulations in a production environment. To design a new product or adjust an existing product, please reach out to us to discuss your needs.



HOW TO CHOOSE THE BEST SOLUTION?

	Paper	Film
Curl Control		✓
Drying time		✓
Transparency		✓
Static	✓	
Shelf life		✓
Cost	✓	



— NOVACEL SCREEN PRINTING SOLUTIONS

Screen printing is a printing technique that utilizes a mesh to transfer ink onto a substrate. A blocking stencil is used in areas where you do not want ink transfer. A squeegee is moved across the screen to fill the open mesh areas where there is no blocking stencil.

Novacel proposes **Hot, Cold and Flex Peel transfer solutions** for screen printing with paper or film-based products. They ensure **unparalleled precision**, capturing even the finest details in your designs.

Then, using a reverse stroke causes the screen to touch the substrate momentarily along a line of contact. This causes the ink to wet the substrate in the open areas of the screen. One color is printed at a time, so several screens are needed for multi-color jobs.

Our solutions **simplify this process**, allowing for **more efficient layering of colors**. This not only speeds up production but also ensures **perfect alignment and consistency across all colors**, giving your prints a professional finish.

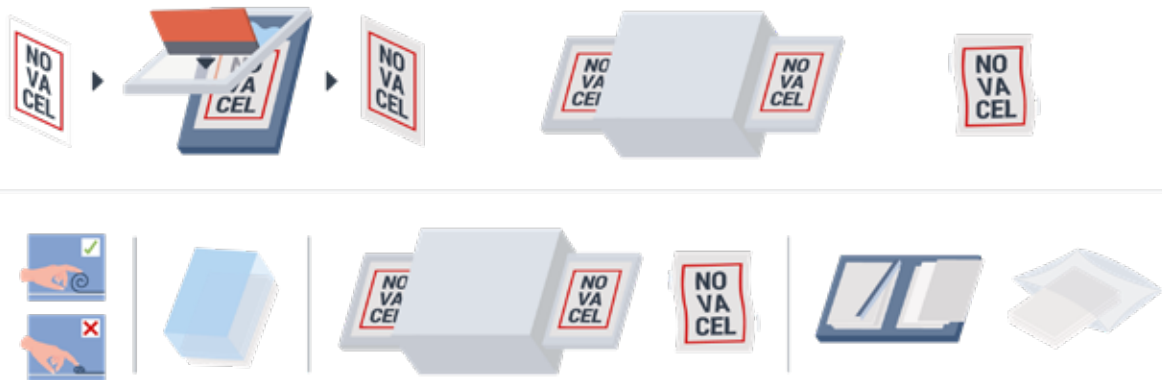
1 \ PRODUCT PREPARATION



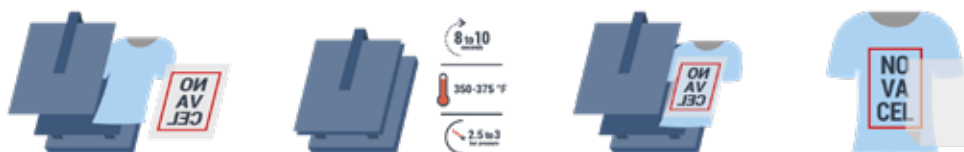
2 \ PRE-SHRINK + HOT BOX STORAGE



3 \ SCREEN PRINT + POWDER ADHESIVE + INK CUBE + CONVERTING



4 \ HEAT PRESS APPLICATION



NOVACEL ASSETS

- High quality print & transfer
- Easy release
- Available in sheets or rolls
- OEKO-TEX certified
- Made in USA

MADE IN USA

NOVACEL'S CHOICE: FP-40-LG FILM & HP-60-LG

- High-quality print & transfer
- Perfect match for Performance Sportswear
- Available for any application (hot, tepid or cold)
- Plastisol and water-based inks

COLD PEEL

Grade	Technology	Properties	Thickness	Temperature	Dwell time	Ink compatibility			
						Plastisol	Powder Adhesives	Water-based	Silicone based
CP-100-HG	Paper	High Gloss	100lb	350-375°F	8-10 seconds medium pressure	✓	✓		
CP-100-LG	Paper	Low Gloss	100lb	350-375°F	8-10 seconds medium pressure	✓	✓		

HOT PEEL

Grade	Technology	Properties	Thickness	Temperature	Dwell time	Ink compatibility			
						Plastisol	Powder Adhesives	Water-based	Silicone based
HP-60-LG	Paper	Low Gloss	60lb	350-375°F	8-10 seconds medium pressure	✓	✓		

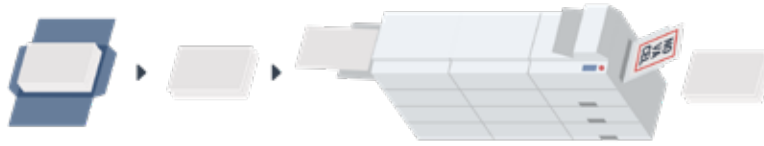
FLEX PEEL

Grade	Technology	Properties	Thickness	Temperature	Dwell time	Inks compatibility			
						Plastisol	Powder Adhesives	Water based	Siliconed based
FP-40-LG Film	Film	Low Gloss Double Sided Matte	4 mils	240°F for sportswear and up to 375°F for other textiles and adhesives	15-20" medium pressure	✓	✓	✓	

— NOVACEL LASER PRINTING SOLUTION

Novacel proposes a **Hot Peel transfer solution** for laser printing with film-based product. It is designed to work flawlessly with modern laser printers, **ensuring an optimized bonding process** and **durable adherence of the toner** on the recipient material.

1 \ PRODUCT PREPARATION + DIGITAL PRINT



2 \ SCREEN PRINT BACKING + POWDER ADHESIVE



3 \ INK CURE + CONVERTING



4 \ HEAT PRESS APPLICATION



NOVACEL ASSETS

- Great release
- **Primer included** in the release coating
- **Available for a variety of printers**
- **Various formats** available in sheets or rolls
- **OEKO-TEX certified**
- **Made in USA**



NOVACEL'S CHOICE: FP-40-LG FILM

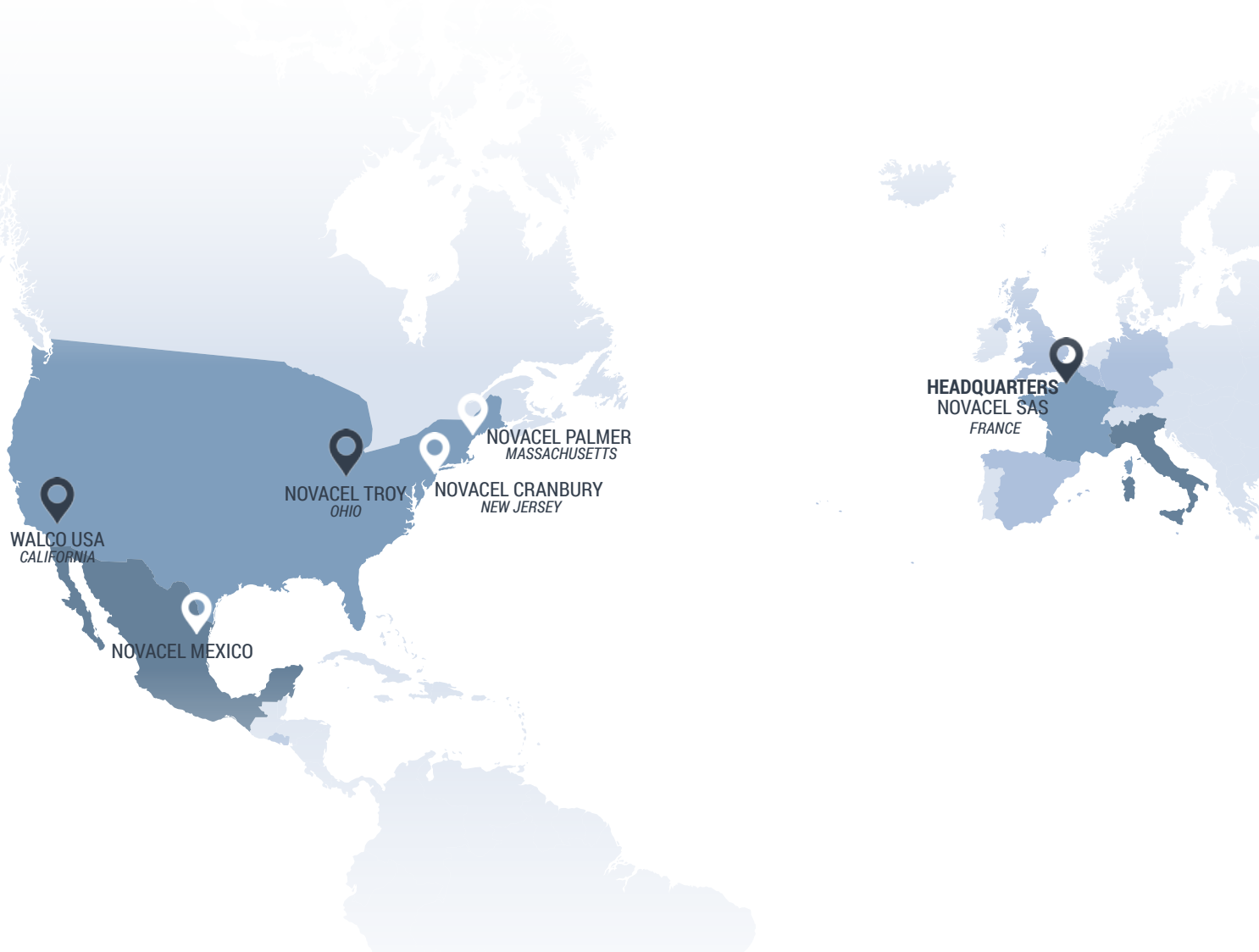
- **Perfect match for Performance Sportswear**
- **Available for any application** (hot, tepid or cold)
- **Wide ink compatibility**

Grade	Technology	Properties	Thickness	Temperature	Dwell time	Ink compatibility			
						Plastisol	Powder Adhesives	Water-based	Silicone based
FP-40-LG	Film	Digi Peel Double Sided Matte	4 mils	240-375°F	8-10 seconds medium to firm pressure	✓	✓	✓	

Film needs to be post processed (screen printed) over the top of the Laser Printing with Plastisol or Water Based inks and Powder Adhesives.

Printers compatibility for FP-40-LG: Ricoh 5200 and 7200

— WHERE TO FIND US



WALCO USA
CALIFORNIA

NOVACEL TROY
OHIO

NOVACEL PALMER
MASSACHUSETTS

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NOVACEL

Beyond The Surface

Novacel is a Chargeurs Company – 11/2024



www.novacel-solutions.com

