



durability
abrasion resistance



stain resistance
chemical resistance



OMNOVA

Publicly traded company with a commitment to excellence
dating back to 1915

Our Company

OMNOVA Solutions is a technology-based **global** provider of decorative and functional surfaces, emulsion polymers and specialty chemicals that are expertly designed and engineered to meet the needs of today's and tomorrow's markets.

Our Decorative Products division is a leading supplier of decorative components and finished, functional surfaces used in a wide range of applications including building interiors and vehicle seating and trim. With design and product depth, and expertise in printing and performance coatings, we have much to offer. In addition to coated fabrics, our portfolio includes commercial wallcoverings, decorative and functional laminates, digital wall murals, films for pool liners and ceiling tiles, as well as a variety of performance films.

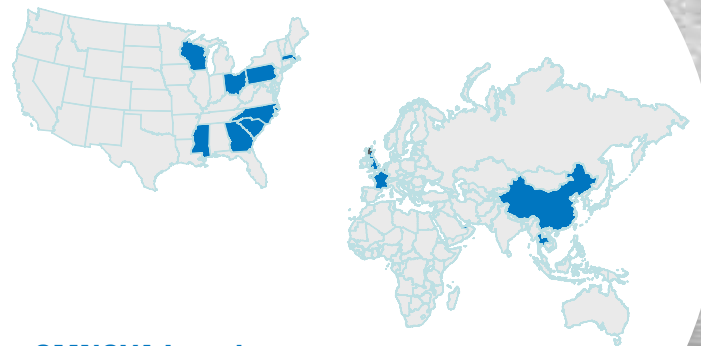
Our Performance Chemicals division develops and produces emulsion polymers and specialty chemicals for a vast number of end uses including coated paper, carpeting, nonwovens and textiles.

Performance Coated Fabrics

OMNOVA's broad offering of performance coated fabrics has earned a strong reputation with both OEMs and end users in a **wide range of applications** including automotive and bus seating, marine seating and trim, as well as healthcare, contract and residential seating.

OMNOVA sets itself apart with its **industry-leading technologies**, such as the often imitated, and never duplicated, **PreFixx®** protective finish. We design and manufacture coated fabrics **globally** with technology and manufacturing facilities in the United States, Thailand and China. This global footprint facilitates the use of locally sourced materials.

With a **comprehensive stock line** of vinyl and polyurethane upholstery offerings, OMNOVA's performance upholstery meets most application needs. Also, if you are looking for a custom design, color, or texture, or a specific performance specification, OMNOVA can offer you a truly flexible, **custom products** program. Leverage our extensive design, technical and manufacturing expertise to get the product you want—wherever you want it. OMNOVA Solutions is your partner for attractive, high performance coated fabrics.



OMNOVA Locations

Global Capabilities to Meet
Consumer Needs Worldwide!

Coated Fabrics

Applications

Aftermarket

Upholstery fabrics used in the restoration or refurbishment of used/classic motor cars, planes, vehicles and boats

Apparel

Handbags
Shoes
Varsity jackets

Contract

Airport seating
Office seating

Healthcare

Dental chairs
Exam tables
Hospital sleeper chairs
Patient chairs, recliners
Physician stools
Reception seating

Hospitality

Headboards
Massage tables
Reception seating
Restaurant seating

Industrial

Flooring/decking
Mattress/pillow covers

Marine

Boat covers
Cabin topping and canopies
Decorative trim components
Exterior decking
Exterior flooring
Exterior upholstery
Headliners
Interior accents
Interior upholstery

Recreational

Exercise equipment
Gym mats
Hunting blinds
Speaker covers

Transportation

Agriculture and heavy equipment components
Convertible tops
School bus seating
Spare tire covers
Tonneau covers
Vehicle interior upholstery, trim, headliners, and accents
Vehicle soft tops

Constructions

Polymer/Materials

Vinyl – excellent appearance, performance, cleanability and value.

- Expanded construction – foamed or sponged inner layer. Softer hand and more tailorable than solid construction.
- Solid construction – more durable, less tailorable.

Polyurethane – excellent appearance and soft-hand qualities, but higher cost than vinyl.

Semi-polyurethane – polyurethane topcoat over vinyl base.

Backing Textiles

Knits, wovens and nonwovens.

Manufacturing Processes

	Calender	Cast
Usage	Excellent Performance. High volume. Excellent surface quality and gauge control. Broad flexibility of embosses.	Dimensionably stable. Vacuum-formed supported and unsupported films. Excellent grain retention. Superior stretch and hand. Greater embossing options.
Gauge (Thickness)	2.8 to 40.0 mils (0.028" to 0.400")	6.0 to 20.0 mils (0.006" to 0.020")
Roll Width	Up to 68" wide	Up to 63" wide
Materials	Vinyl	Vinyl and polyurethane

Custom Manufacturing Capabilities

Selection of polymer materials.

Various topcoatings to achieve specific gloss control, stain resistance and abrasion resistance.

Product weights and gauges engineered to customer needs. Additional requirements for fire retardants, mildew retardants, cold crack, ultra-violet light resistance, etc., are available.

North American and Asian manufacturing facilities.

Custom Design Capabilities

Hundreds of embossing patterns available.

Industry-leading print design library.

Thousands of color choices.

Regulatory Compliance

Product can be engineered to meet specific regulatory requirements including DOT, TS16000, REACH, RoHS and/or CPSIA.

marine

For many years, OMNOVA Solutions has served the marine industry, providing a “one-stop shopping” resource for watercraft interior and exterior upholstery fabrics. In fact, we provided the first vinyl product to Chris Craft Marine in the 1950s, introducing the opportunity to replace traditional canvas products with higher performing vinyl. With premier design facilities in the United States, and global technical and manufacturing capabilities, OMNOVA is able to provide a broad offering of beautiful, high performance vinyl and polyurethane fabrics under the trusted **Nautolex**® brand name, including a broad array of colors and textures. Applications for our **Nautolex** products include:

- Interior upholstery
- Exterior upholstery
- Flooring
- Boat topping
- Vinyl underlining
- Cabin headliner

These fabrics have been designed to meet the demanding requirements of outdoor applications including **UV resistance**, **mildew resistance** and **low temperature flexibility** (cold crack). Many of these fabrics incorporate OMNOVA's proprietary **PreFixx**® protective finish which offers outstanding **resistance to staining, abrasion and scuffing**—so critical for the rough and tumble marine environment.

With **PreFixx** protection, our upholsteries can be easily cleaned—both during production and in use, **saving you money** and keeping your customers happy for years.

NAUTOLEX®



Nautolex exterior upholstery delivers the durability, beauty and exacting performance requirements to stand up to the toughest beating on the high seas!

transportation

OMNOVA has been delivering performance coated fabrics to the automotive, school bus and mass transit industry for more than 30 years. With more than 1,500 products serving over 30 distinct sub-markets in this category, our collection of vinyl-based products meets a wide range of seating applications including the demanding requirements of mass transportation vehicles.

From OEM automotive interiors to the refurbishment of vintage automobiles, and from school bus seating to heavy truck applications, OMNOVA provides **durable** and **attractive** products specifically engineered for the demands at hand.

In 2008, OMNOVA received the Best Quality Performance Award from Toyota Boshoku Gateway Thailand, a division of Toyota that produces seating for the auto manufacturer's line of cars. The award was earned in recognition of the team **consistently providing quality** vinyl upholstery, as well as exceptional customer service and support.

OMNOVA serves the automotive aftermarket with industry-leading **BoltaSoft®** performance upholstery. OMNOVA is a leading supplier for the school bus industry thanks to our well-known **PreVail®** and **PreVail AK®** upholsteries. For the public transportation market, our **PreVail** upholstery helps mitigate damage, unsightly appearance and replacement costs caused by graffiti.

We study the transportation markets and work collaboratively with you to create products that meet your design and **performance** needs in terms of color, texture, flammability, **weather resistance** , hand (or feel) and **ease of tailorability** . With manufacturing operations located strategically throughout the U.S. and Asia, OMNOVA can quickly respond to your delivery and manufacturing requirements.

BoltaSoft



Our expertise across many end-use upholstery applications makes us the ideal upholstery partner for school bus and mass transit manufacturers.

healthcare

The requirements for upholstery used in healthcare settings are different than in other environments. **Color** contributes not only to the aesthetics but also to the patient's healing and comfort. Appropriate **textures** help to limit accumulation of bacteria and grime. Known for its **wide design range** and durability, OMNOVA's **Boltaflex®** upholstery has been successfully used in a broad assortment of healthcare environments including exam tables and stools, patient and dental seating, as well as hospital sleeper chairs. OMNOVA's **Boltaflex** coated fabrics, protected with the industry-leading **PreFixx** protective finish, feature unparalleled resistance to staining, abrasion, scuffing and burnishing as demonstrated in repeated laboratory field tests. The superior stain resistance and **improved wear properties** help keep **PreFixx** protected products looking new longer than most other vinyl upholstery.

We understand that durability and stain resistance is not always enough. **Boltaflex** products featuring **PreFixx** have been engineered for **chemical resistance** to stains from many common disinfecting

agents used in healthcare environments. The following **cleaners and disinfectants can be safely used** on OMNOVA's vinyl upholstery with **PreFixx** without risk of discoloration or damage to the upholstery:

- Asepticare® TB-II
- Birex® SE Disinfectant
- Bleach-Rite™ Disinfecting Spray
- Cavicide® Surface Disinfectant
- Citrace® Germicide
- CitriGuard II® Hard Surface Disinfectant
- Clorox® Germicidal Wipes
- Diluted Bleach Solution
- Dispatch® Spray Hospital Cleaner
- Fade-A-Dyne™ Stain Remover
- Fresh Breeze™ TB Detergent
- Isopropyl Alcohol
- Lysol® Spray Disinfectant
- OPTIM™ 33TB Disinfectant
- PDI® Super Sani-Cloth® Germicidal Wipes
- PDI Sani-Cloth HB Germicidal Wipes
- PDI Sani-Cloth Plus Germicidal Wipes
- Precise™ Hospital Cleaner
- Virex® 256 Germicidal Cleaner
- Wex-Cide™ 128 Cleaner

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Whether you are an original equipment manufacturer or a hospital designer, you should consider OMNOVA **Boltaflex** upholstery.

Boltaflex®

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WEX-CIDE is a trademark of Wexford Labs, Inc.

Because of its protective, scrubbable finish, anti-microbial properties and chemical resistance, OMNOVA's upholstery is often used on lab stools, examination room tables and seating.



contract

OMNOVA Solutions has provided designers, architects and manufacturers involved in the specification of contract applications with a single, comprehensive resource for upholstery fabrics. We offer high quality vinyl and polyurethane fabrics that meet aesthetic needs while delivering the performance demanded by the application including [stain and abrasion resistance](#).

Boltaflex® contract-grade vinyl and polyurethane upholstery products offer [everyday performance](#) and [design](#) for corporate, hotels, restaurants, casinos and airports. OMNOVA has partnered with designers and manufacturers throughout our history, and we understand the ever-changing demands for contract upholstery products.

Today, manufacturers and end-use customers alike trust the **Boltaflex** name, along with our proprietary, high performance **PreFixx** protective

finish. Our design expertise and broad manufacturing capabilities are well known. In addition, our [custom design lab](#) works hard to accommodate your custom requirements.

Need a unique color, texture, weight or thickness? Our designers and engineers will work with you to achieve your desired result. Have specific performance requirements? Our manufacturing and technical experts can tailor a construction for you.

Boltaflex®



Our products can help create an inspiring environment for corporate and public spaces.

BRANDS

BOLTAFLEX® Performance Upholstery
BOLTASOFT® Coated Fabrics
NAUTOLEX® Performance Marine Products
PREVAILL® Upholstery Fabrics
PREVAILL AK® Puncture Resistant Upholstery Fabrics
PREFIX® Protective Finish

Constructions

OMNOVA supplies coated fabrics in one of three basic constructions – vinyl, polyurethane or semi-PU. Vinyl is perfect for upholstery due to its performance, durability and long life. Vinyl products are economical and offer many performance benefits that other fabrics cannot duplicate. These fabrics can be engineered to meet specific requirements for resistance to microbes, flame, chemicals and UV. What's more, vinyl is highly cleanable when coated with a protective finish and can be engineered to meet many application needs.

The most luxurious of performance coated fabrics are polyurethanes, which are increasingly popular with a soft-hand construction, an elegant drape and a luxurious feel. Polyurethanes enable the most realistic faux leather designs with respect to look-and-feel and lend themselves to a wide range of finishes. They also provide good abrasion resistance.

Semi-PU fabrics are PVC-coated polyurethanes providing a softer hand than a traditional vinyl construction but with some performance tradeoffs.



PreFixx Protective Finish.

Often Imitated. Never Duplicated.

For more than 20 years, OMNOVA's flagship **PreFixx**® protective finish has set the standard for performance in the coated fabrics industry. From contract to marine environments, durability and cleanability are important factors in a fabric's success. **PreFixx** coatings mitigate high costs associated with replacing upholstery due to wear and everyday dirt, grease, grime and spills. With the introduction of **PreFixx** in the 1980s, we offered upholstery at an unsurpassed level of protection. Spills and stains clean up beautifully without wear and tear! We revolutionized the industry by significantly reducing upholstery maintenance costs and re-upholstery bills.

Performance. State-of-the-art resistance to staining, abrasion, scuffing, burnishing and blocking have been demonstrated in repeated laboratory and field tests.

Durability. Upholsteries with **PreFixx** coatings resist stain penetration for unique, long term protection. The superior stain resistance and improved wear properties help keep **PreFixx** protected products looking new far longer than most other vinyl upholstery.

Easy maintenance. Most common stains like dirt and smudges simply wipe off with soap and water. Many difficult stains like ballpoint ink can be cleaned with isopropyl alcohol. Today, **PreFixx** protective finish is available on most of our vinyl upholstery.

Chemical Resistance. **PreFixx** protected upholstery can be safely cleaned and disinfected with a wide range of products without risk or damage to the finish. Learn more at www.omnova.com/prefix.

For the latest designs, more information, or to order, contact OMNOVA Solutions:
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