

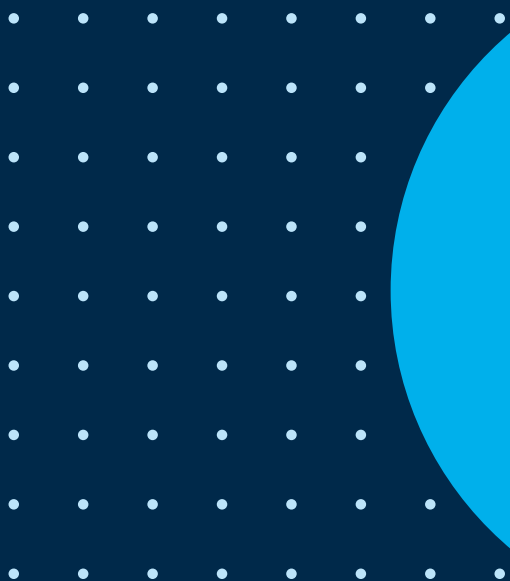
Advanced Interlayer Solutions

Automotive Glazing



kuraray

Trosifol® SentryGlas®



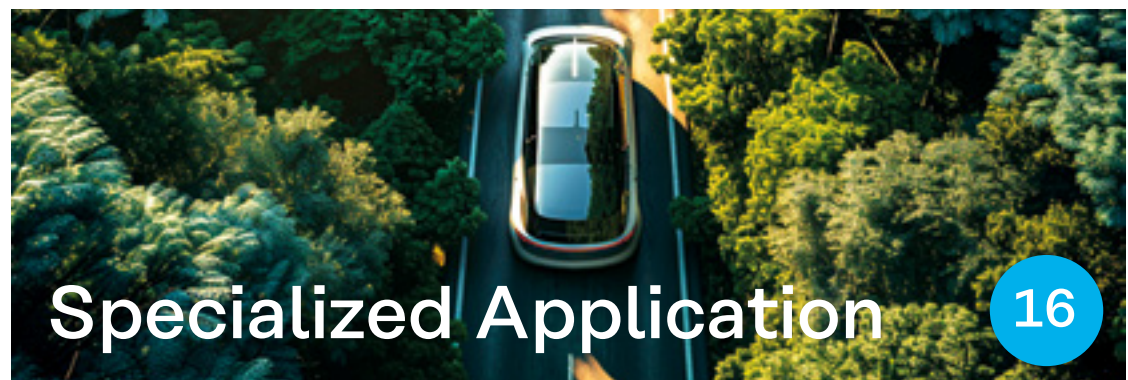
Automotive Glazing

KURARAY'S ADVANCED INTERLAYER SOLUTIONS DIVISION is at the forefront of the glazing industry, providing the automotive sector with innovative solutions for safer, more efficient, and more comfortable vehicles.

Our state-of-the-art products underpin the development of lightweight, durable, and comfortable windshields, sunroofs and sidelites, offering superior head-up display clarity, and acoustic performance for enhanced passenger comfort.

Explore the possibilities of our Advanced Interlayer Solutions and join us in shaping the future of glazing technology.

Contents



Windshields

Superior performance for your windshields

Clear

EXPERIENCE SUPERIOR QUALITY AND DURABILITY in Automotive Safety Glazing for windshields with Trosifol® Clear PVB. Our product offers superior durability and excellent penetration resistance, meeting all requirements of ECE R43 and ANSI/SAE Z26.1-1996.

Trosifol Clear® is available in various versions, tailored to meet the demands of all conventional lamination production processes. With multiple adhesion grades, you can enjoy optimum laminate performance. Our product provides low odor with excellent edge stability and can be supplied either interleaved or refrigerated.

PRODUCT HIGHLIGHT



Trust Trosifol Clear® to provide the highest level of protection while enhancing the driving experience.

PRODUCT

Trosifol® Clear
V200/V500

PRODUCT

Trosifol® Shadeband
V510

PRODUCT HIGHLIGHT



Enhance safety and comfort with Trosifol® Shadeband laminated safety glass.

EXPERIENCE THE SUPERIOR COMBINATION OF SAFETY AND COMFORT with safety glass laminated with Trosifol® Shadeband. Like Trosifol® Clear, our shadeband product offers excellent penetration resistance and meets all requirements of ECE R43 and ANSI/SAE Z26.1-1996.

Trosifol® Shadeband also is available in different surface roughness levels and adhesion grades to meet the needs of a wide variety of customer processes. And with the addition of a shadeband, Trosifol® Shadeband provides superior driver and passenger comfort by reducing glare and enhancing visual clarity. Choose from blue, green, or grey shadeband colors to suit your preference.

Shadeband



Acoustic

TROSIFOL® ACOUSTIC IS THE SOLUTION to the automotive industry's need for improved sound damping properties. Unlike conventional laminated windshields and tempered sidelites, which have limited sound damping properties, especially between 1 and 6 kilohertz (kHz), the human ear's sensitive frequency range.

Trosifol® Acoustic PVB interlayer offers excellent sound insulation and since its launch two decades ago, it has proven a popular choice for automobile manufacturers.

With Trosifol® Acoustic, you can expect superior sound insulation while meeting all safety requirements. Additionally, Trosifol® Acoustic provides excellent resistance to ice flower formation, ensuring durable laminates that will last the lifetime of the vehicle. Trust Trosifol® Acoustic for a quiet, comfortable ride.

PRODUCT

Trosifol® Acoustic
V220

PRODUCT HIGHLIGHT



Trust Trosifol® Acoustic
for a quiet,
comfortable ride.

PRODUCT

Trosifol® Acoustic
Shadeband
V230

PRODUCT HIGHLIGHT



Experience a quieter and
visually comfortable ride
with Trosifol® Acoustic
Shadeband.

TROSIFOL® ACOUSTIC SHADEBAND provides the perfect combination of acoustic benefits and visual comfort. Laminated safety glass incorporating Trosifol® Acoustic with a shadeband provides a more comfortable driving experience by reducing glare on sunny days. The shadeband is available in blue, green, or gray to match the aesthetics of your vehicle. With Trosifol® Acoustic Shadeband, you can enjoy improved sound insulation without compromising on style or safety.

Acoustic Shadeband

Head-Up Display Clear

THE TAPERED PROFILE OF WINDSHIELDS laminated with Trosifol® The Wedge Monolayer allows the glazing to act as a combiner, overlapping the two reflections – one from the inside surface of the windshield and one from the outside surface – resulting in a high-quality image without ghosting.

The partial wedge design of Trosifol® The Wedge Monolayer allows for a thinner, lighter windshield construction compared to a full wedge profile. Additionally, the partial wedge design allows for longer rolls, easier roll handling, and improved sheet processing at the glass. With Trosifol® The Wedge, car manufacturers can offer their customers the benefits of Head-Up Display (HUD) technology while maintaining safety, comfort and style on the road.

PRODUCT

Trosifol® The Wedge
Monolayer
W20xx / W50xx

PRODUCT HIGHLIGHT



Glazing the way:
HUD clarity and windshield
efficiency with innovative
wedge design.



PRODUCTTrosifol® The Wedge
Shadeband

W21xx / W51xx

**PRODUCT
HIGHLIGHT**

Enhance safety and comfort
with Trosifol® Shadeband
laminated safety glass:
superior glare reduction
in blue, green or grey.

Head-Up Display Shadeband

EXPERIENCE THE ADVANCED SAFETY AND COMFORT

COMBINATION: Trosifol® The Wedge Shadeband offers exceptional comfort and safety. Our shadeband product, like Trosifol® The Wedge Monolayer, satisfies all ANSI/SAE Z26.1-1996 and ECE R43 criteria while providing exceptional penetration resistance. To satisfy the requirements of a broad range of customer processes, it is also offered in various surface roughness levels and adhesion grades. Trosifol® The Wedge Shadeband, which has been added, reduces glare and improves visual clarity to provide enhanced comfort for drivers and passengers. To meet your preference, choose a shadeband color from blue, green or grey.

TROSIFOL® THE WEDGE ACOUSTIC combines excellent HUD image quality with superior acoustic performance. The acoustic version of Trosifol® The Wedge is based on the same formulation as our standard automotive Trosifol® Acoustic.

Comparing Trosifol® The Wedge Acoustic to a complete wedge profile, the partial wedge design enables a lighter and thinner windshield structure. This partial wedge shape also allows for longer rolls, simpler roll handling, and better sheet processing at the glass laminator.

Trosifol® The Wedge Acoustic is offered with a variety of roughness levels and adhesion grades to accommodate a wide range of laminating processes.

PRODUCTTrosifol® The Wedge
Acoustic

W22xx

**PRODUCT
HIGHLIGHT**

Invaluable when it comes to
highest level of quiet, safe and
comfortable driving
experience.

Head-Up Display Acoustic





Head-Up Display Acoustic Shadeband

PRODUCT HIGHLIGHT



Optimize driving with Trosifol® The Wedge Acoustic Shadeband: clearer vision and reduced glare in stylish colors.

PRODUCT

Trosifol® The Wedge
Acoustic
Shadeband
W23xx

TROSIFOL® THE WEDGE ACOUSTIC SHADEBAND

offers all of the excellent HUD image quality, safety and durability of Trosifol® The Wedge Acoustic, but with the addition of a shadeband at the top of the windshield, to reduce glare and increase occupant comfort.

Available shadeband colors include blue, green and grey. Trosifol® The Wedge Acoustic Shadeband is offered with a variety of roughness levels and adhesion grades to accommodate a wide range of laminating processes.

Clear

BUTACITE G IS MADE FROM 100% RECYCLED PVB and is specifically engineered for optimal yield and impact performance, ensuring high-quality laminates for both OEM equipment and after-market replacement glass. It is important for laminators and their customers to define and maintain appropriate visual acceptance standards to ensure consistent use of this environmentally friendly product.

PRODUCT HIGHLIGHT



Discover new paths:
attitude meets sustainability.

PRODUCT

Butacite G
GV100/GV101

Sunroof

Improve driving
experience with
panoramic clarity

PRODUCT

Trosifol® Clear
V200 / V500

**PRODUCT
HIGHLIGHT**

You can rely on Trosifol Clear® to improve your driving experience while offering the best possible protection.

ENHANCE YOUR CAR'S SUNROOF with Trosifol® Clear PVB for superior safety and durability. Our product has exceptional robustness and outstanding penetration resistance, satisfying every ANSI/SAE Z26.1-1996 and ECE R43 criteria.

Several adhesion grades of Trosifol Clear® are available, each designed to satisfy the requirements of a standard lamination production process. Our product comes in both interleaved and refrigerated forms and has a minimal odor and excellent edge stability.

Clear

USE TROSIFOL® GREYS INTERLAYER TO IMPROVE OCCUPANT COMFORT AND THE VISUAL APPEAL OF YOUR CAR'S SUNROOF.

With the help of our innovative solutions, you can add an eye-catching hue to your laminated glass while still preserving the superior functional capabilities delivered by Trosifol® Clear.

Trosifol® Greys allows you to deploy visually appealing and functional glazing solutions that satisfy all ANSI/ SAE Z26.1-1996 and ECE R43 criteria for penetration resistance and light transmittance.

PRODUCT

Trosifol® Greys
V705 / V550 /
V800

**PRODUCT
HIGHLIGHT**

Trust Trosifol® Greys to deliver superior performance, stunning visual effects and increased occupant comfort in your vehicle.

**PRODUCT
HIGHLIGHT**

Trust advanced sound-protection film to enhance passenger comfort and safety.

PRODUCT

Trosifol®
Acoustic Grey
V820

Acoustic Color

TROSIFOL® ACOUSTIC GREYS IS A SPECIAL SOUND-PROTECTION FILM for sunroofs. It is optimized to largely exclude the frequencies and ambient noise created by moving vehicles to increase passenger comfort.

The multilayer film not only offers sound-absorbing properties, but also delivers the same level of safety as standard PVB films for the exacting requirements of Automotive Glazing.

TROSIFOL® NATURAL UV IS SUITABLE FOR VIPV (VEHICLE-INTEGRATED PHOTOVOLTAICS) SUNROOFS

providing benefits for solar energy harvesting by vehicles. With high UV permeability, this PVB film allows for enhanced solar energy capture for vehicle's photovoltaic cells and increased solar power generation. Additionally, the PVB layer provides impact resistance, protecting against potential damage.

PRODUCT

Trosifol® Natural UV
V260

UV Control

Sidelites

Superior noise
damping and
peripheral vision
clarity

UPGRADE YOUR VEHICLE'S SIDELITES WITH**TROSIFOL® CLEAR PVB** for superior safety and clarity.

Our product provides exceptional robustness and exceptional resistance to penetration, satisfying all ANSI/SAE Z26.1-1996 and ECE R43 criteria.

Trosifol Clear® is available in various adhesion and roughness grades, which are designed to satisfy the requirements of all traditional lamination production methods. Our product can be given either interleaved or refrigerated and offers low odor and excellent edge stability.

PRODUCT

Trosifol® Clear
V200

**PRODUCT
HIGHLIGHT**

Trosifol Clear® provides the maximum level of protection while improving your driving experience.

PRODUCT

Trosifol® Acoustic
V220

**PRODUCT
HIGHLIGHT**

Trust Trosifol® Acoustic for a quiet, comfortable ride.

Acoustic

TROSIFOL® ACOUSTIC IS THE SOLUTION to the automotive industry's need for improved sound damping properties. Unlike tempered sidelites, which have limited sound damping properties between 1 and 6 kilohertz (kHz) – the human ear's sensitive frequency range – Trosifol® Acoustic PVB interlayer offers superior sound insulation. Since its launch two decades ago, Trosifol® Acoustic has been a popular choice for automobile manufacturers in combatting noise penetration in vehicles.

With Trosifol® Acoustic, you can expect superior sound insulation while meeting all safety requirements. Additionally, Trosifol® Acoustic provides excellent resistance to ice flower formation, ensuring durable laminates that will last the lifetime of the vehicle. Trosifol® Acoustic is offered in several levels of roughness and adhesion grades to accommodate a wide variety of lamination processes. It is available as a clear sheet or with a shadeband for reduced glare.



Acoustic Color

A SPECIAL SOUNDPROTECTION FILM FOR SIDELITES IS TROSIFOL® ACOUSTIC GREYS.

To improve passenger comfort, it is tuned to primarily block out background noise produced by moving cars and is available in a broad range of different gray tints to meet your expectations (1 - 57 % visible light transmission).

In order to meet the strict criteria of Automotive Glazing, the multilayer film not only has sound-absorbing qualities but also provides the same level of safety as regular PVB films.

PRODUCT HIGHLIGHT



Count on cutting-edge sound-absorbing film in Automotive Glazing to improve passenger comfort and safety.

PRODUCT

Trosifol®
Acoustic Greys
V820



Color

PRODUCT HIGHLIGHT



Trosifol® Greys are known for their superior passenger comfort and overall aesthetic impacts.

ENHANCE THE VISUAL APPEAL AND OCCUPANT COMFORT IN YOUR CAR'S SIDELITES

with Trosifol® Greys interlayer. Our innovative product allows you to include a layer of attractive tint in your laminated glass, while maintaining the same excellent properties as if produced with Trosifol® Clear.

With Trosifol® Greys you can produce aesthetically pleasing and functional glazing solutions which meet all requirements of ECE R43 and ANSI / SAE Z26.1-1996 for penetration resistance and light transmittance.

PRODUCT

Trosifol® Greys

V705 / V550 /
V800



Specialized Application

Shaping tomorrow's glazing

Printed PVB for Sunroof

TROSIFOL® SKYVIERA® is a special PVB film and print which adds design and lighting function to any laminated roof glass. No limits - the print can be illuminated in any color & almost any design can be realized.

Depending on customer needs the print can be designed to be almost transparent or opaque in the off mode.

PRODUCT

Trosifol® SkyViera®
V800 SV

PRODUCT HIGHLIGHT



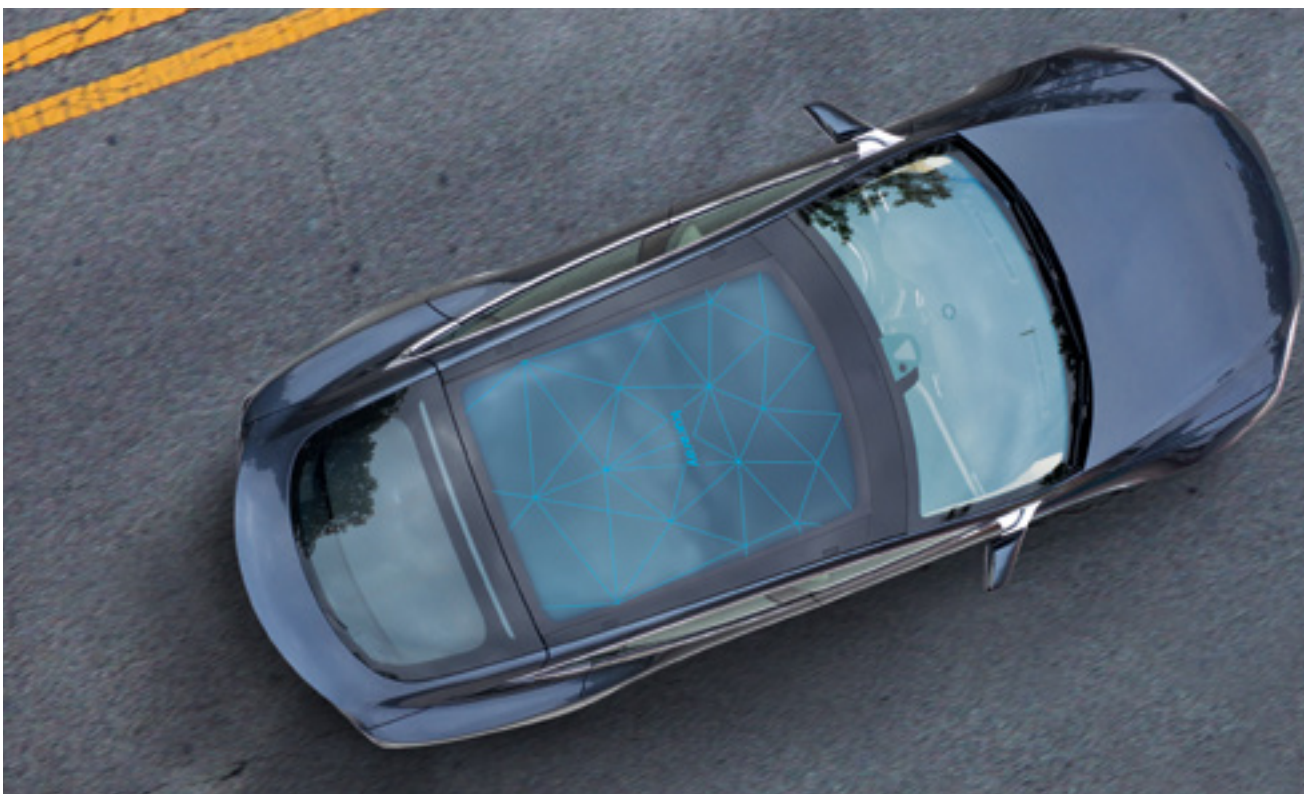
For an unparalleled & customized ambient lighting experience.

Printed PVB for Windshield

PRODUCT

Trosifol® CamViera®
V800 CV

OUR SPECIAL PVB & PRINT FILM FOR WINDSHIELDS is a groundbreaking innovation designed to elevate car user experience by adding design options and advanced functionality. It ensures not only a safer driving experience but also enhances vehicle aesthetics with its cutting-edge technology and seamless integration in the windshield.





Contact



FOR FURTHER INFORMATION

on products from Kuraray, please visit www.kuraray.com.

You can find further information on our Trosifol® and SentryGlas® products at www.trosifol.com.

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WORLD OF INTERLAYERS

**Innovative solutions for
Automotive Glazing**

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