

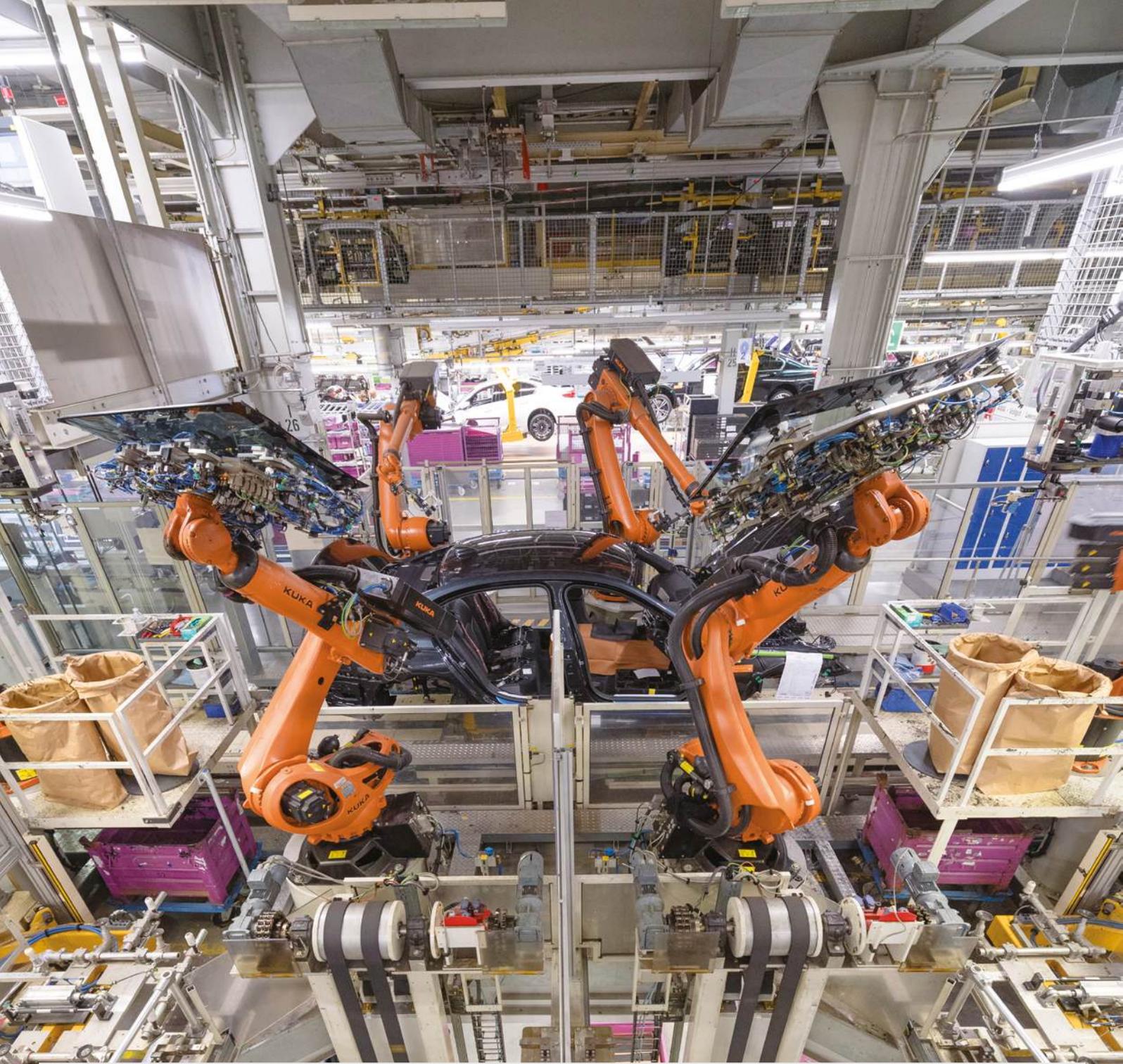


# ASSEMBLY LINE ADHESIVES DURABLE BONDS AND SIMPLIFIED PROCESSES START WITH SIKA

LIGHTER | STRONGER | SAFER | QUIETER | GREENER

BUILDING TRUST





# YOU NEED TO MAKE YOUR NEXT VEHICLE LIGHTER, STRONGER, SAFER, QUIETER AND GREENER

## **WHERE DO YOU START?**

Start with a partner who's not just keeping up, but moving assembly line adhesives forward. Start with global expertise backed by local support, ready to solve today's challenges and tomorrow's demands. Start with a team built on collaboration, innovation, and the relentless drive to improve everything.

## **START WITH SIKA**

With a full suite of bonding, damping, and reinforcing solutions, Sika is a key strategic partner for both OEMs and component suppliers. By collaborating on advanced acoustic systems in early project stages, we help our customers to enhance global projects with high performance as well as EHS-friendly products fitting your specific requirements.

# CONTENT

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<b>04</b>	Direct Glazing Systems
<b>06</b>	Simplified Processes Start With Sika
<b>08</b>	Mixed Material Bonding
<b>10</b>	Solutions Overview
<b>12</b>	Trim Parts: Bonding & Sealing
<b>14</b>	Pre-Treatments
<b>16</b>	Glass Replacement Leader
<b>17</b>	Building Trust Every Day
<b>18</b>	Exterior Personalities Start With Sika
<b>20</b>	Component Bonding
<b>22</b>	Headlamp Bonding
<b>24</b>	Roof Module Bonding
<b>26</b>	Sustainability
<b>27</b>	Start With Sika

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# INNOVATION IN DIRECT GLAZING SYSTEMS

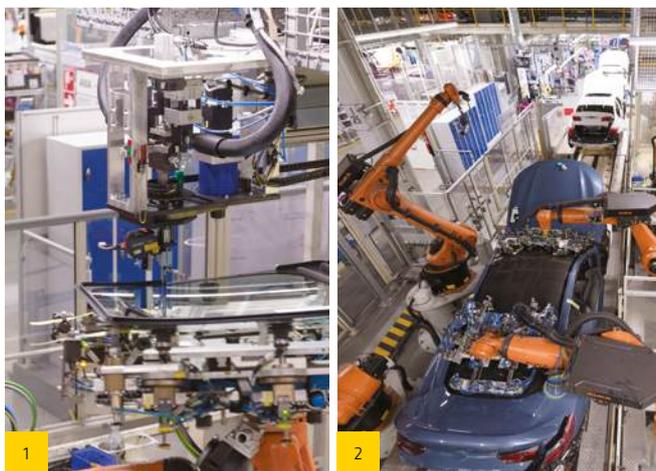
Product Evolution, Process Improvements and Eco-Friendly Solutions

## SAFER AND STRONGER VEHICLES START WITH SIKA

With more than four decades of experience in providing direct glazing technology to automotive assembly lines and aftermarket fitters, few companies understand direct glazing processes – or Polyurethane (PU) chemistry – better than Sika. Embedded in this experience, Sika's eco-friendly innovations in direct glazing systems have continuously contributed to leading-edge improvement of vehicle performance and safety as well as manufacturing processes and costs optimization. Thanks to Sika's latest technology leap, the whole Direct Glazing portfolio can be offered as polyurethane with less than 0.1% of di-isocyanate monomer for better health protection and occupational safety.

### OUR ADVANCED AND PRODUCTION READY SYSTEMS INCLUDE:

- Primerless systems for ceramic and paint
- Accelerated systems - SikaBooster® technology
- High green strength - Fast screen fixation systems
- VOC-free pre-treatments for glass, ceramics, paint and a wide range of plastics
- Patented Purform® Technology: Sikaflex® adhesives with low di-isocyanate monomer content



1 Automated application of Sikaflex®

2 Automated bonding of windshield

### APPLICATIONS

- Automated and manual bonding of windshield, backlights and side windows
- Automated bonding of panoramic and modular roof systems
- Simple solutions for any rework requirements in assembly line applications

### BENEFITS

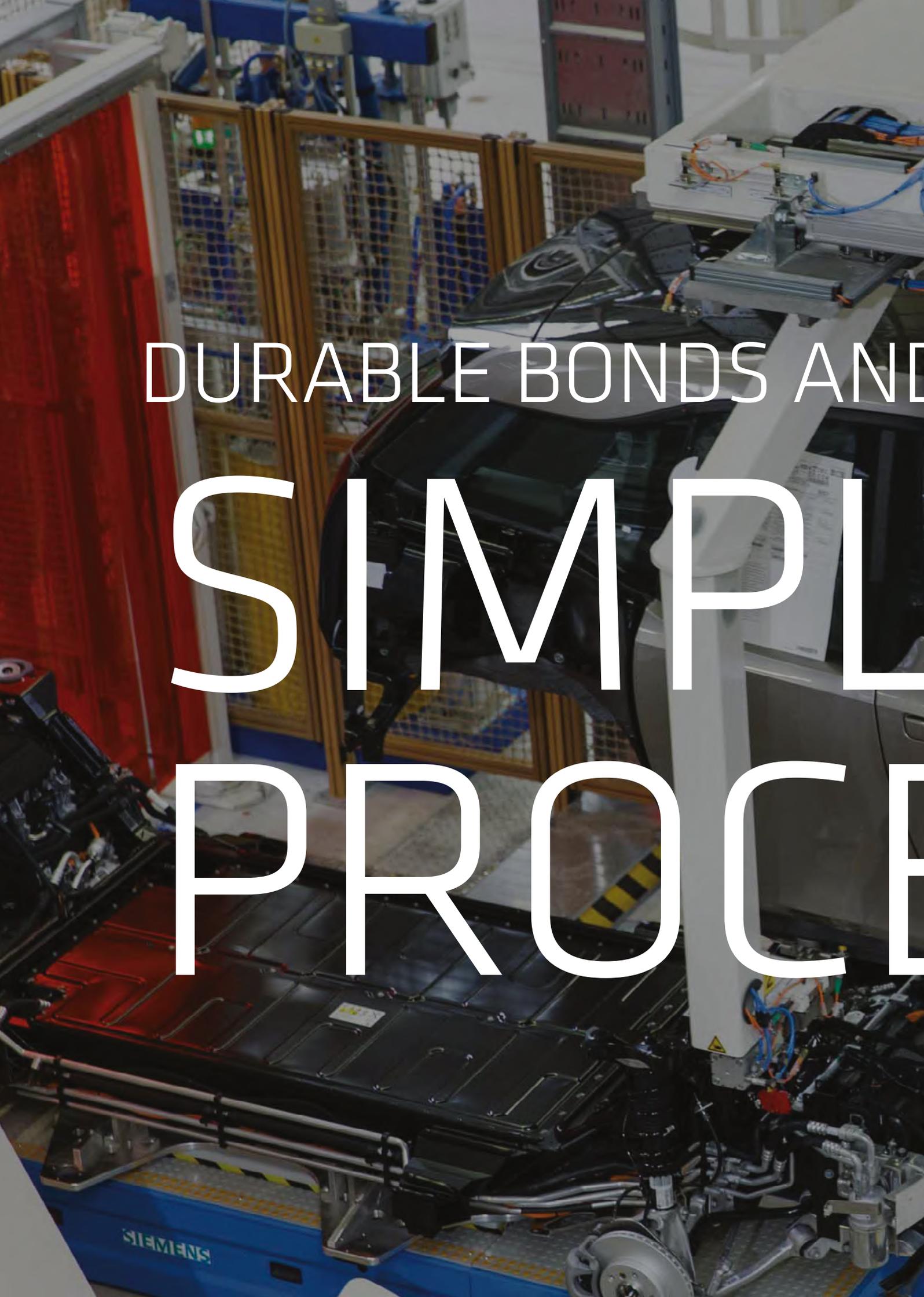
- System offers primerless bonding options to reduce process steps to various substrates
- Proven materials offering long term durability
- Accelerated PU systems offer reliable curing at all conditions and increase process efficiency
- Purform® based products offer better health protection and occupational safety

# 30 MILLION WINDSCREENS BONDED EVERY YEAR WITH SIKA WINDSCREEN ADHESIVES



## TECHNOLOGY OVERVIEW: DIRECT GLAZING SYSTEMS

1C-PU Products	Material Properties				
	Suitable Substrates	G Modulus	Application Temperature	Elongation at Break	Key Benefits
Primerless	Glass, paint, e-coat	1.2 – 3.8 MPa	RT – 65°C	150 – 500%	Process efficiency
Purform® Based SikaBooster®	Glass, paint, e-coat, primer, plastics, encapsulations				Process flexibility, VOC reduction
Fast Green Strength					High initial screen fixation
Low Conductive					Antenna suitable

A photograph of a car chassis mounted on a Siemens test bench in a factory. The chassis is black and is positioned on a blue and red metal frame. The background shows a factory environment with safety railings and various mechanical components. The text "DURABLE BONDS AND" is overlaid in white, sans-serif font at the top of the image.

DURABLE BONDS AND

SIMPLIFIED

PROCESS

A photograph of a car body on an assembly line. The car is dark-colored and is being worked on by robotic arms. The background shows a complex industrial environment with various cables, pipes, and machinery. The text "SPECIALIZED" is partially visible on the left side of the image.

# SPECIALIZED SOLUTIONS

START WITH SIKA

# SOLVING MIXED MATERIAL BONDING CHALLENGES

Introducing a New Level of Design Flexibility

## LIGHTER VEHICLES START WITH SIKA

The trend towards lightweight structures in car body construction has made mixed assembly of lightweight and composite materials a common strategy.

Our structural SikaForce® and Sikaflex® products with high modulus contribute to car stiffness. Due to certain flexibility and its ability to cover different thermal elongations, mixed material combinations such as e-coated steel and composite structures can be bonded. This creates a new level of design freedom and allows engineers an innovative use of lightweight materials, where traditional joining technologies like spot welding were setting technical boundaries.

This innovative adhesive family provides an industry leading solution to the most challenging assembly line bonding application; providing exceptional performance, while accommodating the differences in material thermal expansion and contraction properties ( $\Delta\alpha$ ) of the different materials.



1 Mixed Material Bonding

2 CFRP roof bonding

### APPLICATIONS

- Aluminum/CFRP roof to steel body bonding
- CFRP to aluminum bonding
- CFRP/CFRP bonding

### BENEFITS

- Enables lightweight structure assembly in cold body shop
- High elasticity
- Accommodation of  $\Delta\alpha$  due to high elongation
- Constant mechanical performance over service temperature range
- Contributes directly to improvement of body stiffness due to high modulus properties

# REDEFINE VEHICLE DESIGN WITH SIKA'S MIXED MATERIAL BONDING SOLUTIONS



## TECHNOLOGY OVERVIEW: MIXED MATERIAL BONDING - SIKAFLEX®, SIKABOOSTER® AND SIKAFORCE®

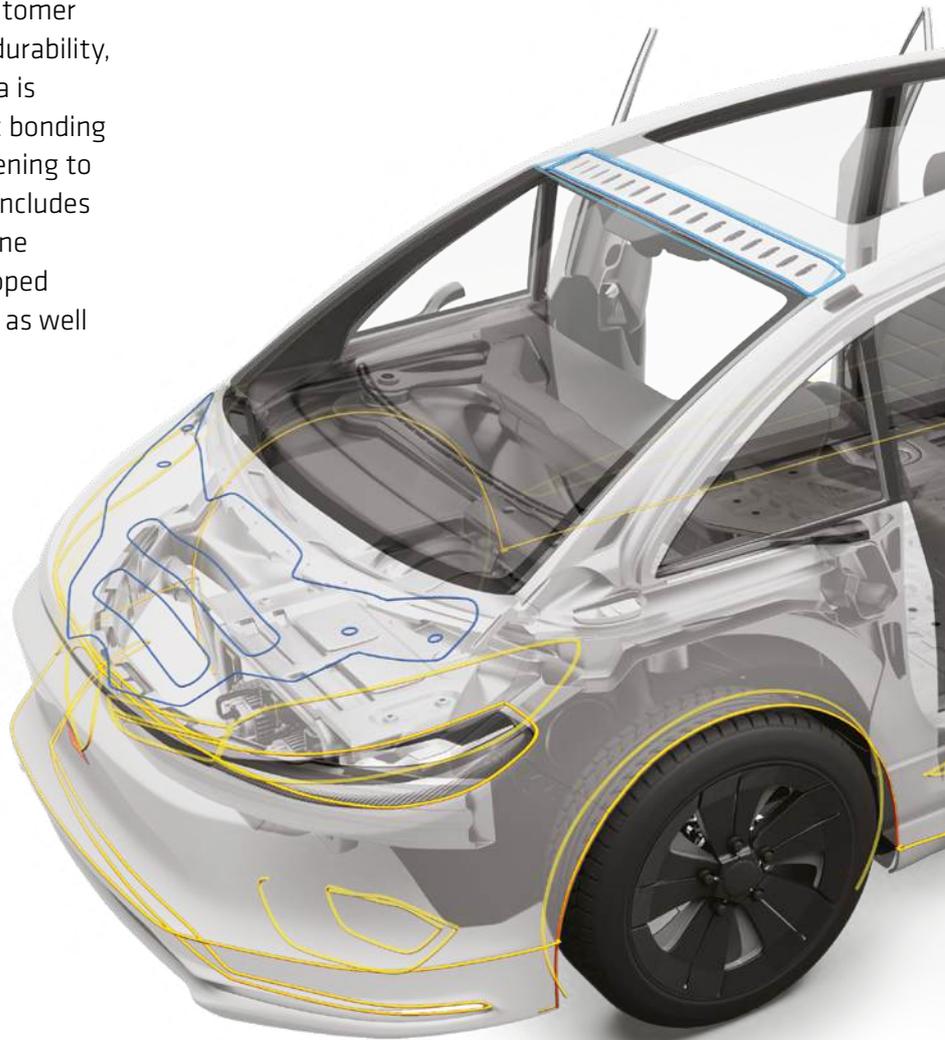
Requirement	Non-structural				Structural		
	Sikaflex®		SikaForce®		Sikaflex®		SikaForce®
	1C	+Booster	Elastic	Structural	1C	+Booster	
Stiffness	X		X	✓	✓		✓
$\Delta \alpha$ Compensation	✓		✓	X	✓		✓
Adhesion to E-coat, Paint and CFRP	✓		✓	X	✓		✓
Cold Curing	✓			✓	✓		✓
Fast Curing	X	✓		✓	X	✓	✓

- ✓ applicable
- X not applicable

# ASSEMBLY LINE ADHESIVES

High Performance Systems to address Safety, Performance and Design Flexibility

**SIKA OFFERS A FULL RANGE OF BONDING SOLUTIONS FOR DIRECT GLAZING**, as well as component bonding in order to fulfill customer requirements in terms of performance, durability, and process capability. Furthermore, Sika is providing innovative solutions for elastic bonding of mixed-material and metal panel stiffening to support vehicle weight reductions. This includes our well known 1-component polyurethane (PU) (Sikaflex®, SikaTack®), newly developed 2-component polyurethane (SikaForce®) as well as a full range of pre-treatments.



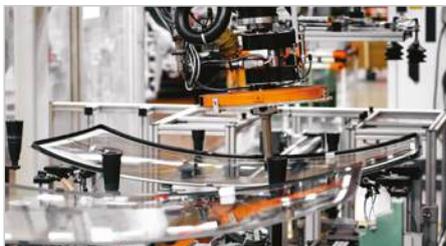
## PRODUCT KEY

▲ Direct Glazing & Glass Replacement

▲ Mixed Material Bonding

--- Metal Panel Stiffening

▲ Exterior Trim Part Bonding



**DIRECT GLAZING & GLASS REPLACEMENT**



**MIXED MATERIAL BONDING**



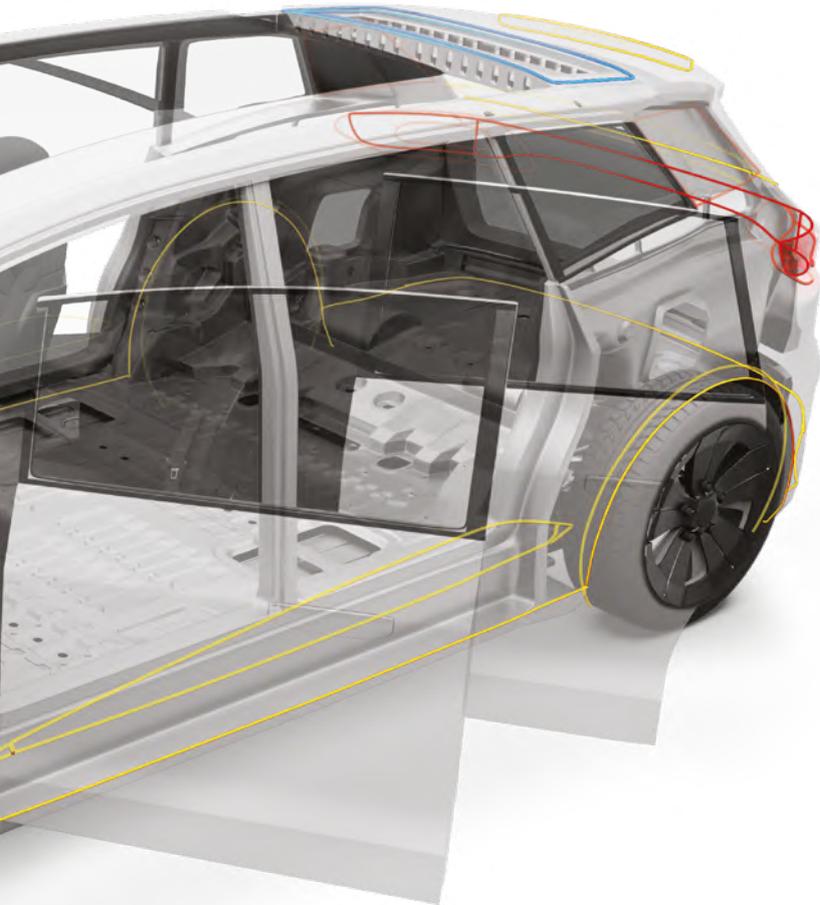
**HEADLAMP BONDING**



**METAL PANEL STIFFENING -  
LIGHTWEIGHTING**



**EXTERIOR TRIM PART BONDING**



**A FULL RANGE OF REPAIR SOLUTIONS**

Like all of our adhesive systems, our assembly line product portfolio is available for repair applications. Sika® Aktivator, Sika® Primer and Sikaflex® products for glass replacement are packed in an easy-to-use kit form and contain everything needed for service in one package. Our SikaForce® products, applied from bulk containers in assembly, are also available to the market in cartridges.



**AUTOMOTIVE OEM REPAIR KIT**



**AUTOMOTIVE OEM REPAIR KIT**



**MANUAL APPLICATION OF PRE-TREATMENTS  
TO CERAMIC WINDSHIELD**

# BONDING AND SEALING SOLUTIONS FOR EXTERIOR TRIM ASSEMBLY

New Materials - New Options - New Possibilities

## LIGHTER AND STRONGER VEHICLES START WITH SIKA

Bonding of trim parts directly on the assembly line has opened new possibilities for car body design, while also simplifying and streamlining assembly processes. Sika offers a full range of adhesive and sealant technologies for trim parts assembly especially suited to the challenges presented; Sikaflex® 1C and SikaForce® 2C polyurethanes, hybrid technologies including silane terminated polymers and our proprietary Purform® product family.

Typical applications include sealing and bonding of spoilers, antennas, bumpers, tailgates, side-panels, and even roof rails. Potential applications are only limited by the designers' imaginations. Of special interest for these products is the drive to reduce body weight, which has led to greater use of alternative materials for assemblies including aluminum, plastics, and composites, as well as thinner metal panels.

Our well-known, low modulus Sikaflex® adhesives, specifically introduced for bonding very thin metal panels, without introducing typical readthrough effects common to adhesive materials. Sikaflex® leverages the full advantages of our patented Purform® prepolymer base, providing consistent performance over the wide operating temperature range.



1 Exterior bonding application  
2 Automated application of low modulus based Sikaflex® for DVD

### APPLICATIONS

- Multiple assembly operations in trim parts bonding
- Ideal for application on thin metal panels (DVD, Headliner)
- Anti-flutter bonding applications, panel to frame, panel to panel
- Wide range of sealing applications in assembly operations

### BENEFITS

- Greater freedom in car body design and assembly techniques
- Products directly applicable to weight reduction strategies
- Excellent and constant performance

**> 6 MILLION SPOILERS**  
ARE BONDED EACH YEAR WITH SIKA TECHNOLOGY



**TECHNOLOGY OVERVIEW: TRIM PART BONDING AND SEALING**

Product	Material Properties					
	Suitable Substrates	Purform®	G Modulus (MPa)	Application Temperature	Elongation at Break (%)	Typical Key Benefits
Low-Modulus 1C-PU	E-coat Paints Plastics	✓	0.5 - 1.5	20 – 35°C	250 – 500	No Bond Line Read Through High UV-resistance
Hybrid 1C-PU		✗	1.2 – 2		300 – 500	MDI-free
2C-PU		✗	2 – 4		300 – 500	Plasticizer free Minimized ESC risk

✓ applicable  
✗ not applicable

# PREPARING SURFACES FOR DURABLE ADHESION

Innovative Technology for Bonding Challenges

## COMPLETE SYSTEM SOLUTIONS START WITH SIKA

Sika has a long and rich history of innovation in surface pre-treatment technologies, including introduction of the first black-primerless systems, luminescent primer detection systems, and eco-friendly water-based primer systems.

Sika continuously pushes our long heritage of pretreatment innovation; increasing development efforts for products offerings fit for future customer needs.

In this context, Sika extends the latest Purform® based innovation also to the pre-treatment portfolio and proudly offers low monomer primer solutions. All formulated with one mission: worry-free and assured bond line adhesion for every potential application.

### OUR FULL RANGE PRODUCT PORTFOLIO INCLUDES:

- Sika® Aktivator solvent based or water based pre-treatments for direct glazing applications; float glass, ceramic frits and paints
- Sika® Primer for direct glazing applications, pre-treatment for light weight materials including aluminum, metals or CFRP parts as well as PU-RIM encapsulation
- Sika® Cleaner surface preparation applications; prior to the application of Sika® Aktivator or Sika® Primer

Characteristics		
Substrates	Chemical base	Features
Glass	<ul style="list-style-type: none"> <li>■ Water based</li> <li>■ Solvent based</li> <li>■ Purform®</li> </ul>	<ul style="list-style-type: none"> <li>■ Less than 0.1% monomeric diisocyanate (Purform®)</li> <li>■ Short flash-off time</li> <li>■ Long open time</li> <li>■ UV detectability</li> <li>■ Easy of use</li> </ul>
Ceramics		
Plastics		
Paints		
CFRP		
Metals		

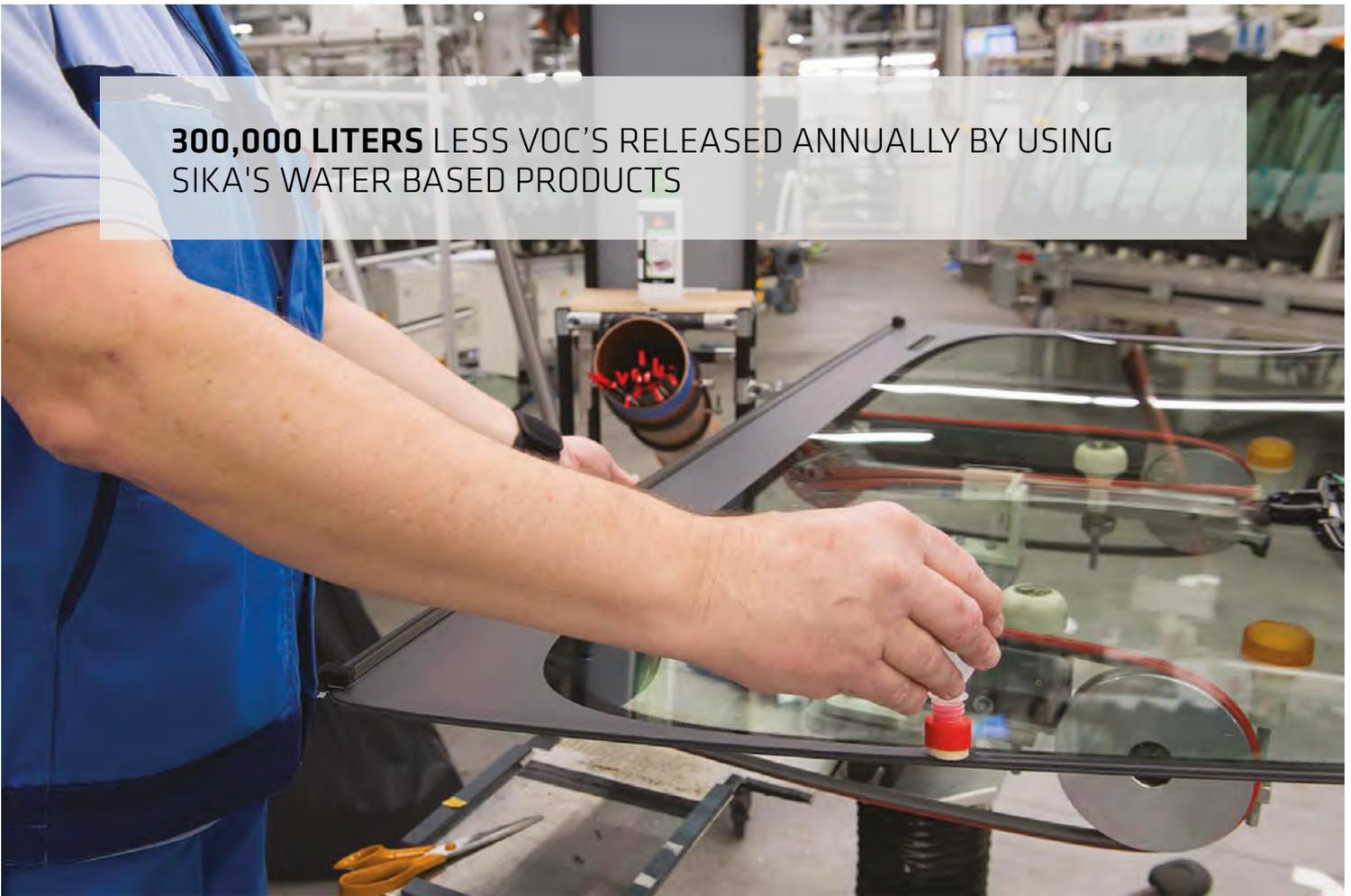
### APPLICATIONS

- Direct glazing - where surface pre-treatment is required
- Enables and enhances mixed material bonding (CFRP, Aluminum, Steel, PC, PP)
- Trim part bonding on multiple materials if / where required
- Wide range of sealing applications in assembly operations

### BENEFITS

- Stable and robust layer with excellent durable performance
- Short flash-off times for fast processes and UV detectability for process controll
- Excellent compatibility with Sika PU systems
- Wide adhesion also on difficult-to-bond substrates

**300,000 LITERS** LESS VOC'S RELEASED ANNUALLY BY USING SIKA'S WATER BASED PRODUCTS



**TECHNOLOGY OVERVIEW: PRE-TREATMENTS**

Product	Technology	Suitable Substrate	Application Method
Sika® Aktivator-100	Solvent based Activator	Glass, ceramic, plastic	Short flash-off time
Sika® Aktivator-110 LUM		Glass, ceramic, plastic	UV detectability
Sika® Aktivator-306 LUM		Glass, ceramic, plastic	UV detectability
Sika® Aktivator-120 Hydro CF	Water based Activator	Glass, ceramic	Low VOC
Sika® Primer-209 D	Solvent based Primer	Plastics	Short flash-off time
Sika® Primer-217 LUM	Solvent based Primer	Glass, ceramic, plastic	UV detectability, Short flash-off time
Sika® Primer-219		PU-RIM, plastics	UV detectability, Short flash-off time, Long open time
Sika® Primer-506		Glass, ceramic	UV detectability, Long open time
Sika® Primer-507	Solvent based Primer (Purform®)	Glass, ceramic, plastic	Less than 0.1 % monomeric di-isocyanate (Purform®), UV detectability, Short flash-off time
Sika® Primer-220 Hydro	Water based Primer	Glass, ceramic	Low VOC

\*Please contact Sika for further feasibility and technical support

# THE GLASS REPLACEMENT LEADER

Full Service Portfolio for Professional Glass Replacement

## STICK WITH THE LEADER - START WITH SIKA

To most drivers, the windshield is just a window to the world. To an automotive engineer, it's part of an important safety system that helps keep occupants safely in the vehicle in the event of a crash and plays an important role in enhancing the structural stiffness of a vehicle. For Sika, both are key elements incorporated into the design of our products, but there is much more to consider regarding vehicle glass replacement.

Glass replacement adhesives must meet stringent standards, like FMVSS 212, which defines performance requirements for passenger crash protection and windshield mounting. Car manufacturers also have their own specifications related to minimum drive-away time (MDAT), modulus, antenna suitability, and more requirements that become 'standard' for glass replacement applications. With our Sika® Aktivator, Sika® Primer, Sikaflex® and SikaTack® products, we support vehicles from the factory floors to the open roads by offering a full range of professional repair products.

Our latest innovation for the automotive glass replacement market is the Sika® PowerCure System. This platform for accelerated adhesives and sealants features an innovative dispenser, dynamic mixer, and a full range of accelerated adhesives and sealants.

It delivers the precision and performance of the high-end pump systems found on automotive manufacturers' production lines but designed with good flexibility, ergonomic and handling characteristics for manual applications. Provides one of the fastest curing adhesives with 30 minutes minimum drive-away time (MDAT) at an unmatched level of comfort for the user. Our innovative Powercure solution delivers shortest cure times (2 hours) to the OEM level.

Outside of windshield bonding, Sika's PowerCure technology is the foundation for further adhesive applications which may need long open time or assured curing under a wide range of climactic conditions - such as battery box bonding in e-mobility production.

## TECHNOLOGY OVERVIEW: GLASS REPLACEMENT SYSTEMS - SIKA® POWERCURE AND SIKAFLEX®

Product	Technology	Minimum Drive Away Time	Long Open Time	Compatibility With Pre-treatment
Sika® PowerCure System	1C-PU accelerated	+	+	+
Sikaflex®-250	1C-PU	+	++	+



1



2

1 Manual application of OEM Repair PU on windshield  
2 Accelerated adhesive system and mixer for PowerCure concept

### APPLICATIONS

- Glass replacement systems for professional users
- Simple solutions for any rework requirements in assembly line applications

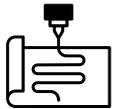
### BENEFITS

- Focus on safety - Repair to original OEM conditions
- Focus on flexibility - Wide variety of technologies and applications
- Focused on users - Excellent system ergonomics and easy handling
- Focus on performance - Shortest MDAT in the industry

# BUILDING TRUST EVERY DAY

Protecting the past. Building the present. Moving the Future Forward

Better cars aren't the only thing we build. Sika's commitment to innovation is driven by a passion for developing advanced solutions that enhance vehicle performance, safety, comfort and sustainability.



## 3D PROTOTYPING

At the forefront of 3D printing innovation, Sika enables rapid prototyping for faster concept validation and shorter development cycles. Their material technologies support the creation of durable, functional prototypes that simulate final performance. This allows automotive engineers to experiment, iterate, and optimize designs more efficiently than ever before.



## AUTOMATION

Tight project timelines demand fast, non-tainting, minimally-disruptive solutions. Sika's high-performance, quick-curing systems reduce downtime, maintain compliance, and deliver durability. This is possible even during production.



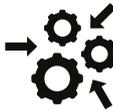
## DIGITALIZATION

Digitalization marks a major shift in how vehicles are designed and built, and Sika is embracing this transformation. Through smart materials and digital integration, Sika enables data-driven design processes, quality assurance, and predictive maintenance. These innovations create a more connected, efficient, and adaptive production environment for the automotive industry.



## EV IMPROVEMENT

Electric vehicles (EVs) are rapidly evolving, and Sika plays a key role in enabling this progress. Their products address critical EV challenges like battery safety, lightweight construction, and thermal regulation. By optimizing structural integrity and material performance, Sika helps extend driving range, improve energy efficiency, and support next-generation EV platforms.



## INTEGRATED SOLUTIONS

Sika delivers a comprehensive suite of integrated solutions spanning bonding, sealing, damping, and reinforcing functions. Their cross-functional products are designed to work in harmony, simplifying assembly workflows and reducing complexity. This systems-based approach drives performance and compatibility across every vehicle structure.



## COMFORT AND SAFETY

Sika contributes significantly to the development of vehicles that are both safer and more comfortable. Their technologies enhance acoustic insulation, structural integrity, and passenger protection. From noise-damping materials to high strength adhesives, Sika's products help OEMs deliver premium driving experiences with confidence and compliance.



## GLOBAL REACH

Sika's global presence ensures consistent product availability and technical expertise across all major automotive markets. Their local teams offer on-site support and rapid response, helping OEMs navigate regional challenges while maintaining high standards. This international infrastructure fosters agility and reliability in an increasingly globalized industry.



## VEHICLE LIGHTWEIGHTING

Sika helps automakers achieve critical lightweighting goals without compromising strength, safety, or performance. Their adhesives and reinforcements enable the use of thinner substrates, lightweight composites, and multi-material designs. As regulations tighten and consumers demand higher efficiency, Sika's technologies play a pivotal role in enabling greener, leaner vehicles.



## VALUE ADDED INNOVATION

Innovation is at the core of Sika's value proposition, with a constant focus on improving product performance and customer outcomes. Their R&D teams develop cutting-edge solutions that address evolving trends in electrification, sustainability, and design flexibility. These innovations aren't just technical upgrades—they provide real-world value by enhancing manufacturing efficiency and product longevity.



EXTE

PERSONALITI



# RIO

ES START WITH SIKA

# COMPONENT BONDING

Lighter Vehicles: Bonding Solutions for Multi-Material Mix

**THE RIGHT TECHNOLOGY** for any application, any combination. Lightweight bonding and design freedom have become a common part of vehicle manufacturing processes, but joining materials with different properties (like thermal elongation or polarity) presents significant challenges. Sika offers a proven portfolio of bonding solutions which provide excellent adhesion to a broad range of substrates all over the vehicle exterior: spoilers, fenders, hang-on parts including doors and hoods, covers, and even complete tailgates. SikaForce® (flexible) 2C-PU adhesives, Sikaflex® 1C-PU Booster technology and SikaMelt® hotmelts are specifically designed for lightweight bonding of mixed materials – metals, composites and plastics; like PP, PBT, ABS, and PC, as well as different blends. All three Sika technologies work well when pre-treatments like plasma or flame are utilized.



1 Tailgates bonded with SikaForce® 2 Spoilers assembled with SikaMelt®

## APPLICATIONS

- Tailgates
- Spoilers

## BENEFITS

- Cost reduction – faster handling time (accelerated adhesive, fast adhesion build-up): shorter line, less storage time and space
- Low modulus – no read-through marks
- Products cure independently of environmental conditions
- No chemical pre-treatment needed



**MORE THAN 1 MILLION TAILGATES**  
ARE BONDED EACH YEAR WITH  
SIKA TECHNOLOGY

#### TECHNOLOGY OVERVIEW – ELASTIC BONDING

Product	Property				
	Technology	G Modulus	Key Benefit	Application Temperature	Shore A
<b>SikaForce®-7570 HP</b>	2C-PU	Medium	Wide Adhesion Range	RT	60
<b>SikaForce®-821</b>	2C-PU	Medium	Improved Adhesion to PC and PC Blends	RT	65
<b>Sikaflex®-270 + SikaBooster® AC-30</b>	1C-PU + Booster	Medium	Fast Curing and Adhesion Build Up	RT – 40°C	55
<b>Sikaflex®-274 + SikaBooster® P-50</b>	1C-PU + Booster	Low	Highly Flexible with Fast Adhesion Build Up	RT – 40°C	45

#### TECHNOLOGY OVERVIEW – STRUCTURAL BONDING

Product	Property				
	Technology	Suitable Substrates	Key Benefit	Application Temperature	Curing Conditions
<b>SikaForce®-7888</b>	2C-PU	Aluminum e-coated Materials, Plastic Substrates	Wide Adhesion Range	RT	RT
<b>SikaMelt®-700</b>	1C-PU HM	Plastic Substrates	Process Simplicity	140°C	RT + Moisture

# HEADLAMP BONDING

Safe, Bright and Reliable Solutions

**A FULL-RANGE APPROACH** that meets the highest technical requirements. As headlamps have grown increasingly complex in design, so have the technologies required to bond and seal them. Sika has been providing adhesives for headlights since the mid-90s, when the lens changed from inorganic glass to PC (polycarbonate). Since that time, headlights have increased significantly in size and become an important part of vehicle styling. Our product range includes several proven technologies for headlight bonding, that offer excellent adhesion to the PC lens, its coatings, and the PP and PBT housings used in today's advanced designs. From a process perspective, our Sikaflex<sup>®</sup>, SikaForce<sup>®</sup> and SikaMelt<sup>®</sup> PU adhesives allow required post-bond leakage testing to be done in a very short time. Their high-strength and elastic properties make them an excellent choice for bonding PC and PP. Our new, third generation of Sikaflex<sup>®</sup> PU warmmelts are the result of a process of continuous development in headlight bonding.

To cover the full range of headlamp bonding adhesives, Sika also offers 1C and 2C Sikasil<sup>®</sup> silicones with excellent heat resistance (a critical requirement for fog lamps).



1 Headlamp bonded with Sikaflex<sup>®</sup> 2 Fog lamp bonded with Sikasil<sup>®</sup> 3 Headlamp bonded with SikaMelt<sup>®</sup>

## APPLICATIONS

- Headlamp
- Fog lamp

## BENEFITS

- Reduction of waste – long workability
- Fast processing – specially designed material and good pumpability
- Immediate initial strength at room temperature allows for rapid post-bond leakage testing
- Excellent heat resistance



**70 MILLION HEADLAMPS**  
 BONDED WITH SIKA ADHESIVE TECHNOLOGIES LIGHT  
 THE WAY FOR 35 MILLION VEHICLES ANNUALLY

**TECHNOLOGY OVERVIEW – HEADLAMP BONDING**

Product	Property				
	Technology	Key Benefit	Heat Resistance	Application Temperature	Approximate Time to Leakage Test
<b>SikaMelt®-700</b>	1C-PU Hot Melt	Fast and Simple Processing	Very Good	140°C	5 min. <sup>1</sup>
<b>Sikaflex®-630 HD-2</b>	1C-PU	High cost Efficiency Combined with Very Good Performance	Very Good	95°C	1 – 10 min. <sup>1</sup>
<b>Sikasil® AS-785</b>	2C-Silicone	High UV- and Temperature Resistance	Excellent	RT	20 min. <sup>1</sup>
<b>Sikasil® AS-70</b>	1C-Silicone	Simple Processing	Excellent	RT	-
<b>SikaForce®-400</b>	2C-PU	High Cost Efficiency Combined with Excellent Performance	Very Good	RT	5 – 10 min. <sup>1</sup>

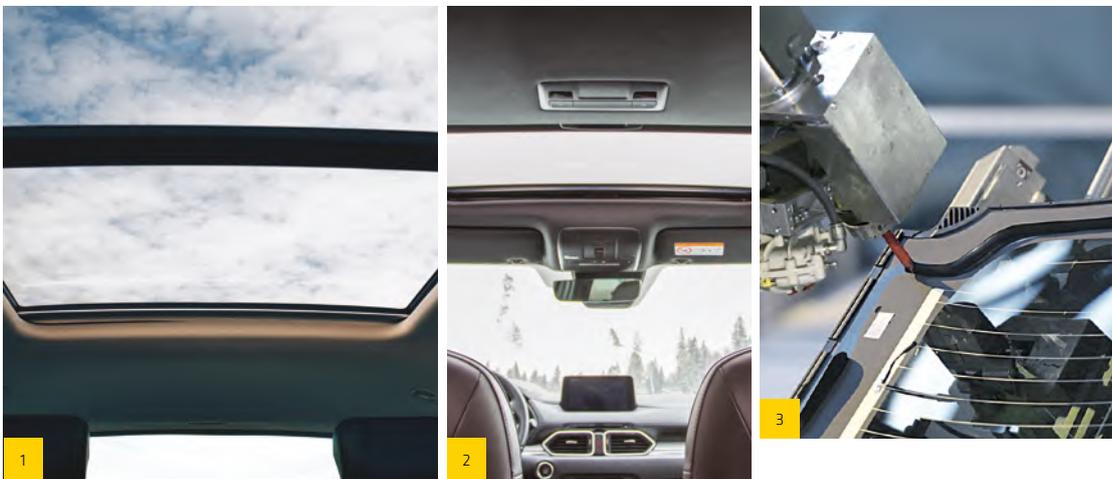
<sup>1</sup> Depends on Pressure and Design

# ROOF MODULE BONDING

Simplified Processes: Make it Fast and Simple

**TODAY'S FAST-PACED AUTOMOTIVE** manufacturing processes demand that roof systems be bonded and transported to final assembly in a short time. This makes a high-strength bond during the initial curing process (known as green strength) essential for sunroof and panoramic assemblies to ensure the reliability and efficiency of the bonded system. Our product range includes a variety of polyurethane technologies that allow for fast handling AND durable joining. While more and more assemblies are designed with weight reduction goals, substrate bonding becomes more challenging; parts made from plastics and hybrids are more susceptible to marking. Our approved exterior solutions help to avoid bond line readthrough on thin and sensitive plastic parts.

Further, Sika pre-treatment systems help to ensure highly consistent and reliable bonds in the final assembly, while also offering easy application techniques. Sika® Primer-207 is not only a universal one-step primer but is also UV-detectable which enables the detection of pre-treatment for inline quality control. Sika pre-treatment agents help to ensure highly reproducible and safe processes. If in-house distribution or global supply chains require solutions with long open time, new Sika® Primer-219 fulfills demands on plastics.



1 Panorama Roof Module bonded with Sikaflex® 2 Sun Roof bonded with SikaForce® 3 Glass Bonding with Sikaflex®

## APPLICATIONS

- Panorama Roof Module
- Sun Roof
- Glass Bonding

## BENEFITS

- Cost reduction – faster handling time, increased throughput
- Well-suited to just-in-time production
- Accelerated curing with SikaBooster®
- Low monomer adhesives thanks to Purform® technology.



**3 MILLION ROOF MODULES**  
 ASSEMBLED ANNUALLY WITH SIKA TECHNOLOGY  
 ALLOW FOR CLEARER VIEWS

**TECHNOLOGY OVERVIEW – ROOF MODULE BONDING**

Product	Property							Key Benefit
	Technology	Fast Curing	Green Strength	Initial Grip	G Modulus	Tack-free Time [min]	Open Time [min]	
Sikaflex®-270 + SikaBooster® AC-30	1C-PU	Yes	Excellent	Very Good	Medium	30	3	Fast Curing and Adhesion Build Up
Sikaflex®-271 + SikaBooster® P-50	1C-PU	Yes	Excellent	Very Good	High	20	5	Reinforcing Elastic
Sikaflex®-274 + SikaBooster® P-50	1C-PU	Yes	Excellent	Very Good	Low	30	5	Highly Flexible with Fast Adhesion Build Up
SikaForce®-825	2C-PU	Yes	Excellent	Good	Low	-	3	Minimized Risk of Stress-cracking

# SUSTAINABILITY STARTS WITH SIKA

**AT SIKA, WE BELIEVE** building a better future starts with more sustainable vehicles. From raw materials to final assembly, we develop advanced bonding, sealing, and reinforcement solutions that help reduce emissions, improve energy efficiency, and support circular design.



## LIGHTER, CLEANER VEHICLES

SikaReinforcer® technologies reduce the need for heavy steel reinforcement, allowing for thinner gauge metals and fewer weld points. This not only improves crash safety and stiffness but also leads to measurable reductions in fuel consumption and vehicle weight.



## LOW BAKE. HIGH IMPACT

As the shift to electric and hybrid vehicles accelerates, Sika's low bake technologies are enabling energy-efficient manufacturing. Our full portfolio of sealants, adhesives, and acoustic materials cures at lower oven temperatures – helping OEMs reduce operational costs, decrease energy consumption, and meet their sustainability targets. Some products cure at just 135–140°C, saving up to 15 minutes per cycle in the paint shop.



## LOWER CARBON, START TO FINISH

SikaPower® adhesives help reduce spot welds by up to 1,000 welds per car, with no compromise on crash safety or rigidity.



## BUILT FOR TOMORROW

Sika had anticipated the shift to the new EHS standards early on, by creating Purform®, with ultra-low MDI content. Sika's Purform® technology eliminates this complexity by reducing hazardous labeling requirements, enabling safer handling across production lines. From recyclable chemistries to energy-saving materials, Sika is investing in next-generation innovation to support the transition to more sustainable mobility. Our solutions address every stage of the vehicle lifecycle – helping OEMs and suppliers meet aggressive carbon-reduction goals without sacrificing performance or production speed.

Learn more: [usa.sika.com/sustainability](https://usa.sika.com/sustainability)

# START WITH SIKA

**25 MILLION  
VEHICLES +**

MADE STRONGER AND SAFER  
EACH YEAR WITH OUR BODY SHOP  
ADHESIVES.

**2 IN 5**

WINDSHIELDS WORLDWIDE ARE BONDED  
EVERY YEAR WITH SIKAFLEX.®

**10 MILLION**

**DOORS**

ARE WATER PROVEN BY USING SIKAMELT® PRESSURE  
SENSITIVE ADHESIVE FOR ASSEMBLY AND SEALING .

**> 1 MILLION  
BATTERIES**

FOR E MOBILITY ARE PRODUCED  
ANNUALLY USING SIKA PRODUCTS  
FOR SEALING & BONDING, THERMAL  
MANAGEMENT AND FIRE PROTECTION.

MORE THAN

**300,000 LITERS**

VOC REDUCTION THROUGH THE USE OF  
SIKA'S PRIMERLESS TO GLASS WATER-BASED  
PRE-TREATMENT SYSTEMS.

**1,000,000 TONS**

STEEL SAVED ANNUALLY WITH SIKAPOWER®  
MBX, SIKAPOWER® AND SIKASEAL® IN  
CONJUNCTION WITH LIGHTWEIGHT MATERIAL  
SELECTION.

**>70 MILLION**

HEADLAMPS BONDED WITH SIKA ADHESIVE  
TECHNOLOGIES LIGHT THE WAY FOR MORE  
THAN 35 MILLION VEHICLES ANNUALLY  
CONSTRUCTION.

MORE THAN

**600 MILLION**

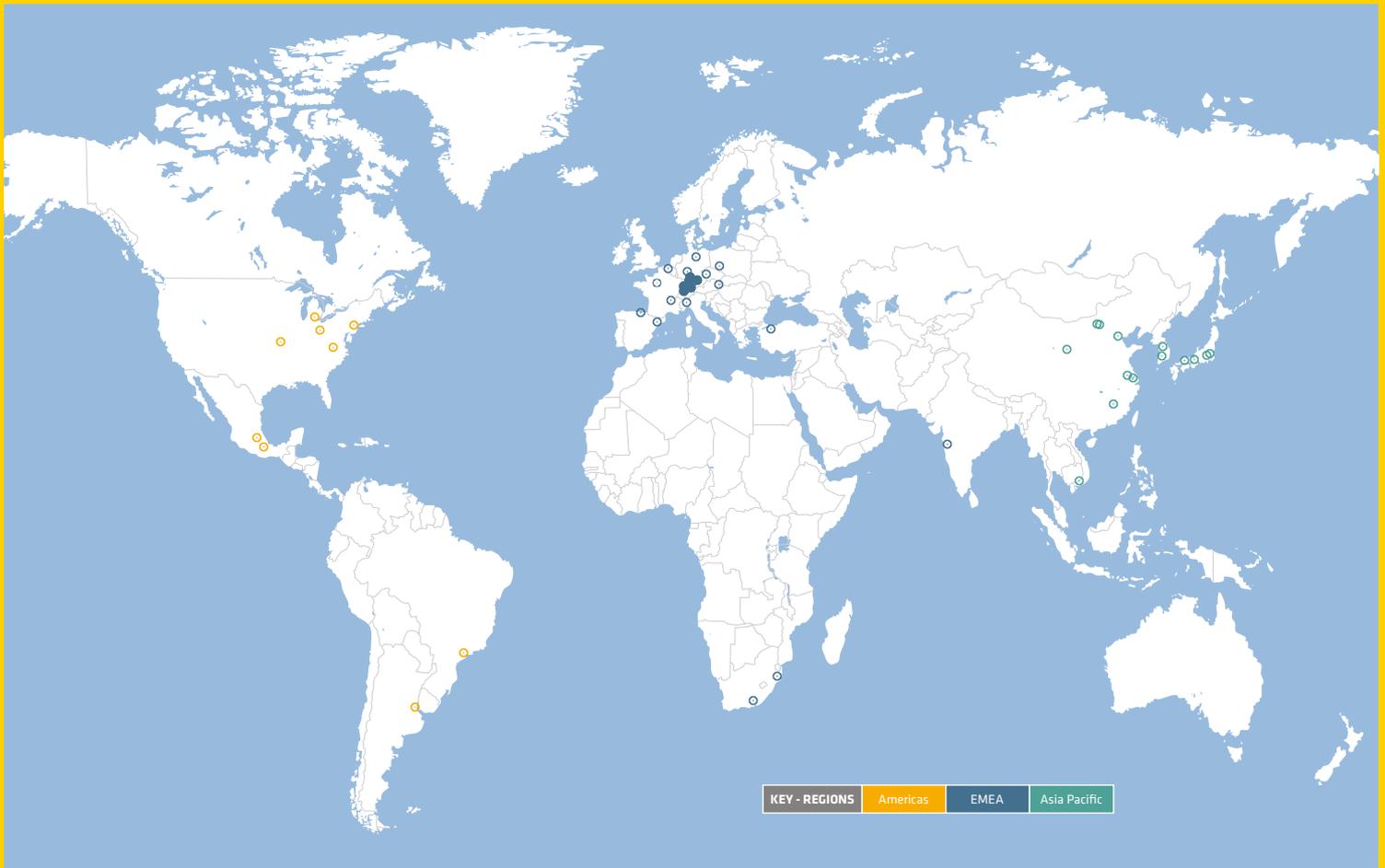
PARTS BASED ON OUR SIKADAMP®, SIKABAFFLE® AND  
SIKAREINFORCER® TECHNOLOGIES SUPPLIED ANNUALLY.

MORE THAN

**30%**

INTERIOR NOISE REDUCTION IN  
VEHICLES THANKS TO SIKA'S  
ACOUSTIC SOLUTIONS.

# GLOBAL REACH BUT LOCAL PARTNERSHIP



START WITH SIKA  
SCAN THE QR CODE BELOW:



Our most current General Sales Conditions shall apply.  
Please consult the Data Sheet prior to any use and processing.

