



# AUTO GLASS REPLACEMENT (AGR) PRODUCTS

BUILDING TRUST



# ADHESIVE PRODUCT RANGE

Best performance from the start

Operating conditions and installation requirements in the Auto Glass Replacement (AGR) industry can be highly variable from region to region and shop to shop; which is why Sika® has developed products to address all manner of application challenges - from temperature extremes to meeting Safe-Drive-Away-Time (SDAT) requirements.

In addition to being developed to meet installer requirements, all Sika® AGR adhesive systems are formulated to meet - or exceed - the stringent crash test performance requirements set forth by Federal Motor Vehicle Safety Standards (FMVSS) 212/208. Sika's® reliability has been proven by the millions of successful windshield replacements that have been performed over the years with Sika® AGR adhesive technologies.

ADHESIVES	SikaTack® MACH 30	SikaTack® MACH 60	SikaTack® ASAP+	SikaTack® Ultrafast II	Sikaflex® P2G PLUS	Sikaflex® P2G	Sikaflex® 220+
<b>Technology</b>							
Cold Applied	ü	ü			ü	ü	ü
Hot Applied			ü	ü			
Primerless To Glass					ü	ü	
<b>Properties</b>							
SDAT (FMVSS 212 / 208)	30 min*	60 min	30 min	60 min	3 hours	4-6 hours	8-16 hours
Application Temperature	0°F - 120°F	0°F - 120°F	0°F - 120°F	15°F - 120°F	40°F - 110°F	40°F - 110°F	40°F - 110°F
Open Time	8 min	8 min	7 min	10min	15 min	15 min	30 min
Skin Time	10 min	12 min	12 min	15 min	30 min	30 min	40 min
All-in-One Modulus	ü	ü	ü	ü			
Non-Conductive	ü	ü	ü	ü	ü		
Cut-Off String	Excellent	Excellent	Excellent	Excellent	Excellent	Good	Good
Shelf Life	9 months	9 months	9 months	9 months	9 months	9 months	9 months
<b>Packaging</b>							
300 ml Cartridge (Standard)	ü**	ü**	ü**	ü**			ü
300 ml Cartridge (Wide-Mouth)					ü	ü	
465 ml Unipack	ü**	ü**	ü**	ü**			
600 ml Unipack		ü			ü	ü	ü

\* 30 minute SDAT in most conditions. Refer to SDAT chart in current Product Data Sheet for SDAT at all temperature and humidity levels

\*\* Product available in "Super Kits," conveniently packaged with Sika® Aktivator PRO Pads and Sika® Primer-207 Stix



Select Sika® adhesives are available in conveniently packaged "Super Kits" containing Sika® adhesive, Sika® Aktivator PRO Pads and Sika® Primer-207 Stix



Sika® offers versatile packaging options to meet your installation needs. In addition to cartridges, Sika® adhesives are available in 465 ml or 600 ml unipacks

# THE LEADING BRAND FOR AGR ADHESIVES

## INNOVATION IS OUR PASSION

As the market leader in the AGR direct glazing industry, Sika® invests heavily in innovation to continually develop products that deliver ease-of-use for installers and superior safety performance for vehicle owners. Our aim is to simplify the windshield replacement process with reliable, fast curing adhesive systems that meet your requirements for Safe-Drive-Away-Time.

## PROVEN AND TRUSTED





For over 25 years, Sika® has been the leading provider of AGR adhesives and this success is in large part due to the unique advantages we offer to our customers:

- Sika® provides the lowest cost per installation system, when safety and liability are taken into account
- Sika® provides installers with the most complete and reliable training and certification programs in the industry
- Sika's® marketing programs provide the most effective tools to help customers grow their business




# SIKA® PRIMERS, CLEANERS AND ACCESSORIES PRODUCT RANGE

## PRIMERS AND CLEANERS

PRODUCTS	PRODUCT DESCRIPTION	PRODUCT BENEFITS	PRODUCT IMAGE
<b>Sika® Primer-207</b>	All-in-one primer for use as a pretreatment on pinchweld, encapsulated glass, glass, frit and moldings. Used to cover fresh nicks and scratches that originated during the windshield installation process. Also designed to act as a corrosion treatment system to inhibit the propagation of corrosion on the pinchweld.	<ul style="list-style-type: none"> <li>- Fast drying</li> <li>- Available in 1.4 ml single use applicator stix</li> <li>- Available in 100 ml or 250 ml cans</li> <li>- Stix are conveniently packaged with most products as a Super Kit</li> </ul>	
<b>Sika® Aktivator PRO</b>	Activating agent for the pretreatment of glass and frit to ensure adhesion of Sika® adhesives.	<ul style="list-style-type: none"> <li>- Fast drying</li> <li>- Single wipe (no wipe-off required)</li> <li>- Available in 250 ml cans</li> <li>- Available in 1.1 ml single use applicator pads</li> <li>- Applicator pads are conveniently packaged with most products as a Super Kit</li> </ul>	
<b>Sika® PowerClean Aid</b>	Cleaning aid for glass surfaces and removal of contamination.	<ul style="list-style-type: none"> <li>- Removes Non-Traditional Contaminants (NTC's) such as mold release agents and silicone oils</li> <li>- Removes Traditional Contaminants such as dirt, dust and skin oils</li> <li>- Does not scratch glass or frit</li> <li>- Can be used to apply Sika® Primer-207</li> </ul>	
<b>Sika®-Slick</b>	Cutout lubricant. Applied in cutout areas of bonded glass to reduce cutout resistance.	<ul style="list-style-type: none"> <li>- Reduces cutout force</li> <li>- Extends cutting blade life</li> <li>- For use with all reciprocating cutout tools</li> <li>- Approved for use with all Sika® adhesive systems</li> </ul>	

## OVEN KITS

<b>4 Hole Hydrotherm Heater</b>	Sika® offers several oven options for customers who chose to use one of our hot-applied polyurethane products.	<ul style="list-style-type: none"> <li>- Oven Started Kits include 4 cases of SikaTack® ASAP+</li> <li>- Hydrotherm Heater for mobile units that run off radiator system</li> <li>- PURfect Electric Heater for in-shop or mobile units with power converters</li> </ul>	
<b>4 Hole PURfect Electric Heater</b>			

## TOOLS & EQUIPMENT

<b>Conversion Pedestal</b>	For use in converting PURfect Heater to cartridges.		
<b>Nozzles</b>	Additional straight and v-cut nozzles.		

# SIKA® TECHNOLOGY THAT PERFORMS WHEN IT COUNTS

## CUSTOMER SAFETY IS OUR MISSION

Sika's mission is to ensure customer safety by providing the safest adhesive system available. As the Pioneers of Safe-Drive-Away-Time, Sika has performed over 70 crash tests worldwide since 1987, investing over 2 million dollars to validate the Safe-Drive-Away-Times of our products. Through extensive crash testing and laboratory analysis, Sika is continuously monitoring and evaluating how our adhesives perform at various cure times and climatic conditions, allowing us to provide the safest adhesive system for vehicle occupants and glass shop owners in every situation.

## SAFE-DRIVE-AWAY-TIME (SDAT)

- The amount of time an adhesive requires to reach the level of strength necessary to safely hold a windshield in place in the event of a crash
- SDAT is dependent upon several factors and can vary based on the adhesive used, as well as temperature and humidity conditions at the time of replacement
- Sika pioneered the concept of SDAT to the AGR Industry in the 1990s by publishing SDAT charts for each of our adhesives



## FMVSS 212 / 208:

- The standards that test for windshield retention in case of a crash
- Goal is to reduce crash injuries and fatalities by preventing the ejection of occupants from the vehicle
- Crash Tests based on these standards are performed at 30 mph and conclude with the vehicle crashing into a stationary barrier
- All Sika AGR adhesives are crash tested to the stringent requirements set forth in FMVSS 212 / 208



## THE WINDSHIELD AS A SAFETY DEVICE

Initially the windshield was installed in vehicles to protect occupants from wind and rain. While these are still core functions of the windshield, requirements advanced over time to allow new vehicle designs to become a structural member of the vehicles body, serve as a backboard for the vehicles airbag system, and with the newest models, function as a heads up display for ADAS Systems.

## SAFETY RELEVANT FUNCTIONS



**KEEP YOU INSIDE**  
Windshield & adhesive prevent you from ejection



**AIRBAG CAN FUNCTION AS DESIGNED**  
The windshield serves as backboard for the airbag



**PREVENTS ROOF FROM CRUSHING**  
Windscreen as member of car body prevents roof crush

# Sika® Worldwide



Sika® is a globally active company supplying the specialty chemicals markets. It is a leader in processing materials used in sealing, bonding, damping, reinforcing and protecting load-bearing structures in construction (buildings and infrastructure construction) and in industry (vehicle, building components, equipment production, solar and wind power).

Sika's® product lines feature high-quality concrete admixtures, specialty mortars, sealants and adhesives, damping and reinforcing materials, structural strengthening systems, industrial flooring and membranes. Subsidiaries in 101 countries worldwide and over 18,000 employees link customers directly to Sika®.

## Sika Industry

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Grandview, Missouri  
Montreal, Quebec

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## North America Silicone Competence Center

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Lakewood, NJ 08701



Visit us on the World Wide Web at: [www.sikaindustry.com](http://www.sikaindustry.com)

Proud Member and Manufacturer of Verified Components.

Sika® Corporation warrants this product for one year from date of installation to be free from manufacturing defects and to meet the technical properties on the current Product Data Sheet if used as directed within shelf life. User determines suitability of product for intended use and assumes all risks. Buyer's sole remedy shall be limited to the purchase price or replacement of product exclusive of labor or cost of labor. NO OTHER WARRANTIES IMPLIED OR EXPRESSED SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SIKA SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES. SIKA SHALL NOT BE RESPONSIBLE FOR THE USE OF THIS PRODUCT IN A MANNER TO INFRINGE ON ANY PATENT OR ANY OTHER INTELLECTUAL PROPERTY RIGHTS HELD BY OTHERS.