



SikaTack®-MOVE^{IT}

Performance by Innovation for automotive glass replacement

Technical Product Data

Chemical base	1-C polyurethane
Color (CQP ¹⁾ 001-1)	Black
Cure mechanism	Moisture-curing
Density (CQP 006-4)	1.2 kg/L approx.
Non-sag properties (CQP 061-1)	Very good
Application temperature	5°C to 35°C (adhesive) -10°C to 35°C (ambient)
Tack-free time ²⁾ (CQP 019-1)	10 min. approx.
Open time ²⁾ (CQP 526-1)	5 min. approx.
Curing speed (CQP 049-1)	(see diagram)
Shore A hardness (CQP 023-1 / ISO 868)	65 approx.
Tensile strength (CQP 036-1 / ISO 37)	8 N/mm ² approx.
Elongation at break (CQP 036-1 / ISO 37)	300% approx.
Tear propagation resistance (CQP 045-1 / ISO 34)	1 x 10 N/mm approx.
Tensile lap-shear strength (CQP 046-1 / ISO 4587)	5 N/mm ² approx.
Safe Drive-Away Time ³⁾ (cars)	with passenger side airbags according to FMVSS 212 / 208 (CQP 511-1) without airbags
	60 min. 30 min.
Volume resistivity (CQP 079-2 / ASTM D 257-99)	10 ⁹ Ω cm approx.
Shelf life (storage below 25°C) (CQP 016-1)	9 months

¹⁾ CQP = Corporate Quality Procedures

²⁾ 23°C / 50% r.h.

³⁾ For temperatures between -10°C and 35°C, any humidity

Description

SikaTack®-MOVE^{IT} is a cold applied automotive windscreen adhesive. It is very easy to apply and offers high quality combined with safety. It is suitable for glass replacement on all passenger cars, with or without airbags. SikaTack®-MOVE^{IT} can be used all year and is ideal for mobile or in-house applications and offers a 60-minute Safe Drive-Away Time according to the most severe crash test standards in all climates and for all cars.

SikaTack®-MOVE^{IT} is manufactured in accordance with the ISO 9001 / 4001 quality assurance system.

Product Benefits

- Primerless (with use of Sika® Aktivator PRO)
- Short Safe Drive-Away Time according FMVSS 212/208 (with passenger side airbags, no seatbelts)
- Wide temperature range from -10° to 35°C
- Sika "All-in-One®" Modulus
- Suitable for cars with integral antennas
- Prevents contact corrosion for aluminum bodied vehicles
- Excellent application properties such as bead stability / good non-sag properties

- Short cut-off string
- Automotive OEM quality

Areas of Application

SikaTack®-MOVE^{IT} has been especially designed for the Automotive Glass Replacement business.

This product is suitable for professional experienced users only. Test with actual substrates and conditions have to be performed to ensure adhesion and material compatibility.

Industry



Cure Mechanism

SikaTack®-MOVE^{IT} cures by reaction with atmospheric moisture. At low temperatures the water content of the air is lower and the curing reaction proceeds somewhat more slowly (see diagram 1).

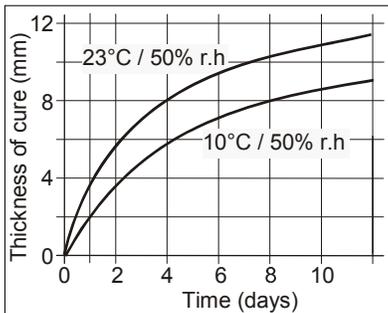


Diagram 1: Curing speed for SikaTack®-MOVE^{IT}

Chemical Resistance

SikaTack®-MOVE^{IT} is resistant to fresh water, seawater, limewater, sewage effluent, dilute acids and caustic solutions; temporarily resistant to fuels, mineral oils, vegetable and animal fats and oils; not resistant to organic acids and caustic solutions or solvents. The above information is offered for general guidance only. Advice on specific applications will be given on request.

Method of Application

Removal of old glass

Remove damaged glass in accordance with the vehicle manufacturer's instructions.

Surface preparation

Surfaces must be clean, dry and free from all traces of grease, oil and dust. The surfaces must be treated with a cleaning and activating agent or primed with the appropriate primer as follows:

Glass with uniform and continuous opaque, mineral based ceramic frit	Sika® Aktivator PRO
Old polyurethane direct glazing adhesive (cut face)	Sika® Aktivator PRO
Metal with paint primer or partial new painting (new painting, less than 25% of bonding area)	Sika® Aktivator PRO
Metal with paint primer or with partial new painting (new painting, more than 25% of bonding area)	Sika® Aktivator PRO Sika® Primer-206 G+P

Further information available at:
www.sika.ca

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Glass without ceramic or without large cover trim (valid for passenger cars only)

Sika® Aktivator PRO
Sika® Primer-206 G+P

Detailed information on the application and use of activation agents, etc. can be found in the individual Product Data Sheets. These documents and instructions must be consulted prior the usage of SikaTack®-MOVE^{IT}

Application

Cartridges: Pierce cartridge membrane.

Sausages: Place sausage in the application gun and snip off the closure clip.

Cut off the tip of the nozzle in accordance with the vehicle manufacturer's recommendations. Apply the adhesive with a suitable piston gun. To ensure uniform thickness of adhesive bead, we recommend that the adhesive is applied in the form of a triangular bead (see figure 1).

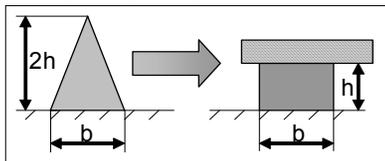


Fig 1: Compressing adhesive bead to final size

The glass must be installed within 5 minutes of starting to apply the adhesive.

Do not apply when the temperature of the adhesive is below 5°C or above 35°C. The ambient temperature range is -10°C to 35°C. The ideal temperature for substrate and adhesive is between 10°C and 30°C. The ambient temperature range is -10°C to 35°C.

Removal

Uncured SikaTack®-MOVE^{IT} may be removed from tools and equipment with Sika® Remover-208. Once cured, the material can only be removed mechanically.

Hands and exposed skin should be washed immediately using Sika® Hand Cleaner or a suitable industrial hand cleanser and water. Do not use solvents!

Further Information

Working instructions issued for a defined application may further specify technical data contained in this Product Data Sheet. Copies of the following publications are available on request:

- Material Safety Data Sheets
- Mentioned Product Data Sheets

Packaging Information

Sausage	400, 600 mL
Cartridge	300 mL

Value Basis

All technical data stated in this Product Data Sheet are laboratory test based. Current measured values may vary due to factors beyond our control.

Health and Safety Information

For information and advice on the safe handling, storage and disposal of chemical products, users should refer to the actual Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

Legal Notes

The Information, and in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions, within their shelf life. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any recommendations, or from any other advice offered. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users should always refer to the most recent issue of the Product Data Sheet for the product concerned, copies of which will be supplied on request or can be accessed in the Internet.

An ISO 9001:2000 certified company
Pointe-Claire : ISO 14001:2004 certified EMS

