

## Product Data Sheet

Version 01/2009 (08/2011)

**SikaTack® MOVE Transportation**

Windshield Replacement Adhesive for Buses, Coaches, Trucks, and Rail and Special Vehicles

**Technical Data**

Chemical Base	One-component polyurethane
Colour (CQP <sup>1</sup> 001-1)	Black
Cure Mechanism	Moisture-curing
Density (uncured) (CQP 006-4)	1.2 kg/L approx.
Non-Sag Properties (CQP 061-1)	Very good
Application Temperature	5°C to 35°C
Tack-Free Time <sup>2</sup> (CQP 019-1)	20 min.
Open Time <sup>2</sup> (CQP 526-1)	15 min.
Curing Speed (CQP 049-1)	See Diagram 1
Shore A Hardness (CQP 023-1/ISO 868)	65 approx.
Tensile Strength (CQP 036-1/ISO 37)	8 N/mm <sup>2</sup> approx.
Elongation at Break (CQP 036-1/ISO 37)	300% approx.
Tear Propagation Resistance (CQP 045-1/ISO 34)	10 N/mm approx.
Tensile Lap-Shear Strength (CQP 046-1/ISO 4587)	5 N/mm <sup>2</sup> approx.
Safe Drive-Away Time <sup>2</sup> for supported glass replacement (contact Sika for additional SDAT information)	≤40 kg - 1.5 hrs ≤100 kg - 3 hrs
Volume Resistivity (CQP 079-2/ASTM D 257-99)	10 <sup>9</sup> Ω cm approx.
Service Temperature (continuous) (CQP 513-1)	-40°C to 90°C
Shelf Life (Stored below 25°C) (CQP 016-1)	12 months
<sup>1</sup> CQP = Corporate Quality Procedures	<sup>2</sup> 23°C and 50% Relative Humidity

**Description**

SikaTack® MOVE Transportation is a cold-applied, one-component polyurethane system especially designed for direct-glazing and gap-filling applications (open joints) in the bus, truck and rail glass replacement business. SikaTack® MOVE Transportation offers excellent weather- and cleaning agent-resistance, provides good UV-resistance and is suitable for bonding and gap-filling. SikaTack® MOVE Transportation offers short Safe Drive-Away Times and speed of application combined with safety and ease-of-use. SikaTack® MOVE Transportation is manufactured in accordance with the ISO 9001/14001 quality assurance system.

**Product Benefits**

- Black primer-less, cold-applied, solvent-free, one-component polyurethane
- Offers a very short Safe Drive-Away Time
- Suitable for bonding and gap-filling
- Excellent application and non-sag properties
- Optimal Open Time for large and heavy windshields
- Good UV- and chemical-resistance
- Prevents contact corrosion in aluminium-bodied vehicles

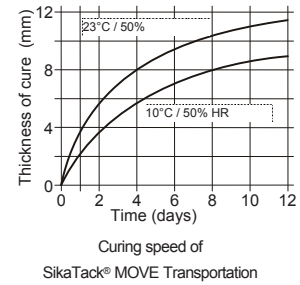
**Areas of Application**

SikaTack® MOVE Transportation is suitable for one-step direct-glazing and gap-filling applications in the Bus, Truck and Rail glass replacement business. SikaTack® MOVE Transportation is only suitable for experienced professional users. If SikaTack® MOVE Transportation is used for applications other than vehicle glass replacement, tests with actual substrates under current conditions must be performed to ensure adhesion and material compatibility.



**Cure Mechanism** SikaTack® MOVE Transportation cures by reaction with atmospheric moisture. At low temperatures the water content of the air is lower and the curing reaction proceeds more slowly (see diagram 1).

**Chemical Resistance** SikaTack® MOVE Transportation is **resistant** to fresh water, seawater and water-based cleaning solutions; **temporarily resistant** to fuels, mineral oils, vegetable and animal fats and oils; **not resistant** to organic acids, alcohol and paint thinners. The above information is offered for general guidance only. Advice on specific applications will be given upon request.



**Method of Application** **Removal of Old Glass:** Remove damaged glass in accordance with vehicle manufacturer's instructions. **Surface Preparation:** Surfaces must be clean, dry and free from grease, oil and dust. The bond faces must be treated with a cleaning and activating agent or primed with the appropriate primer, as follows:

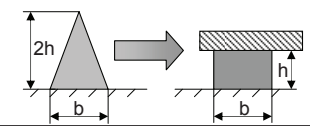
Glass with uniform and continuous opaque, mineral-based ceramic frit	Sika® Aktivator PRO
Old polyurethane direct-glazing adhesive (cut face)	Sika® Aktivator PRO
Glass without ceramic frit. Additional UV protection such as a UV shield tape is required	Sika® Aktivator PRO & Sika® Primer-206 G+P
Metal with paint primer	Sika® Aktivator PRO & Sika® Primer-206 G+P
GRP: First abrade with very fine Scotch Brite	Sika® Aktivator PRO & Sika® Primer-206 G+P

Advice on specific applications is available from the Technical Services Department of Sika Industry.

**Application:** Place sausage in the application gun and snip off the closure clip. Once opened, sausages should be used up within a few days. Screw on the nozzle, having previously cut it to a triangular profile

in accordance with the vehicle manufacturers' recommendations. The ambient temperature and the temperature of the substrate must be between 5°C and 35°C. It is recommended to apply the adhesive with a suitable air- or battery-driven piston gun. The windshield glass must be placed in position within 15 minutes of starting to apply the adhesive (before the adhesive starts to form a skin). Fill the joints avoiding entrapping air, within 30 minutes. Tool joints immediately.

Recommended Bead Configuration



**Removal** Uncured SikaTack®-MOVE Transportation 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. Do not use solvents!

**Further Information** Copy of the following publication is available upon request: Material Safety Data Sheet.

**Packaging** 600 mL sausages

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

**Health and Safety Information** For information and advice on the safe handling, storage and disposal of chemical products, users should refer to the current Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data for the appropriate type of substance. All Product Data Sheets and Material Safety Data Sheets are available on our website at: [www.sika.ca](http://www.sika.ca).

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 under [www.sika.ca](http://www.sika.ca).

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