Industry

SikaTack® MOVE^{IT}

Performance by Innovation for Automotive Glass Replacements

Technical Product Data

Chemical base		1-C polyurethane
Colour (CQP[1] 001-1)		Black
Cure mechanism		Moisture-curing
Density (uncured) (CQP 006-4)		1.2 kg/l approx.
Non-sag properties (CQP 061-1)		Excellent
Application temperature	Product Air	5°C - 35°C -10°C - 35°C
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 1)
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)		10 N/mm approx.
Tensile lap-shear strength (CQP 046-1 / ISO 4587)		5 N/mm^2 approx.
Safe Drive-Away Time[3] (cars) according to FMVSS 212 / 208 (CQP 511-1)	with double-side airbags without airbag	60 min 30 min
Volume resistivity (CQP 079-2 / ASTM D 257-99)		1 x 10^9 Ω cm approx.
Shelf life (storage below 25°C) (CQP 016-1)		9 months

[1] CQP = Corporate Quality Procedures [2] 23°C (73°F) / 50% r. h. [3] -10°C (15°F) - 35°C (100°F)

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 by offering a 60 minutes Safe Drive-Away Time according the most severe crash test standards (see under Product Benefits).
SikaTack® MOVE^{IT} is manufactured in accordance with the ISO 9001 / 14001 quality assurance system and the responsible care program.

Product Benefits

- Black primerless
- Excellent application properties such as bead stability / good non-sag properties
- Short cut-off string
- Suitable under wide climate conditions between -10°C and 35°C
- Sika® All-in-One Modulus
- Suitable for cars with integral antennas
- Short Safe Drive-Away Time[3] (according FMVSS 212/208 with double-side airbags, no seatbelts)
- Prevents contact corrosion for aluminum bodied vehicles
- Automotive OEM quality

Areas of Application

SikaTack® MOVE^{IT} has been especially designed for the Automotive Glass Replacement business. With its excellent performance and application properties it is well suitable for mobile as well as in-house installations.
This product is to be used by professional experienced fitters only. If this product is used for other applications than Automotive Glass Replacement, trials must be carried out prior to use.

OEM APPROVED ADHESIVE SYSTEMS

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).

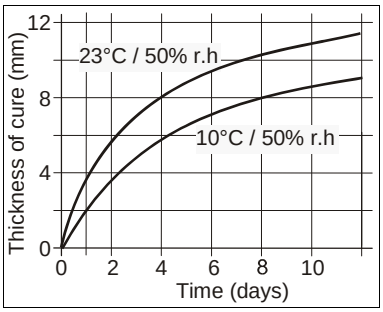

Diagram 1: Curing speed SikaTack® MOVE^{IT}

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 dust and grease. The bond faces must be treated with a cleaning and activating agent or primed with the appropriate primer.
Glass surfaces must be pre-treated with Sika® Aktivator PRO or Sika® Aktivator to limit displacement of glass in the event of a crash.

Detailed information on the application and use of activating agents, etc. can be found in the individual Product Data Sheet. The information provided here is intended for general guidance only. Specific advice on your intended application is available on request.

Application
Cut off the tip of the nozzle in accordance with the vehicle manufacturer's recommendations and screw onto the cartridge or the unipack adapter.
It is recommended to apply the adhesive with a piston-type application gun. To ensure a uniform thickness of adhesive bead, we recommend that the adhesive be applied in the form of a triangular bead (see fig. 1 below).
With Sika® Aktivator PRO the substrate temperature must be between -10°C and 35°C, for other pre-treatments the lower limit is 5°C.

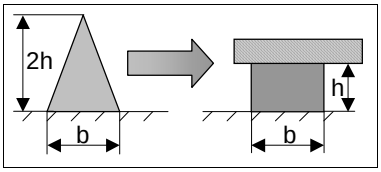

Fig 1: Compressing adhesive bead to final size

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® Handclean towels or a suitable industrial hand cleanser and water. Do not use solvents!

Further Information

Copies of the following publications are available on request:
- Material Safety Data Sheets
- Sika Technicians' Handbook

Packaging Information

Unipack	600 ml

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 influences.

Important

For information and advice regarding transportation, handling, storage and disposal of chemical products, users shall refer to the actual Material Safety Data Sheets containing physical, ecological, toxicological and other safety-related data.

Legal Note

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. 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 written 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 Australian version of the Product Data Sheet for the product concerned, copies of which will be supplied on request.

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