

## PRODUCT DATA SHEET

# SikaTack® DRIVE (Purform®)

Automotive glass replacement application Champion

## TYPICAL PRODUCT DATA (FURTHER VALUES SEE SAFETY DATA SHEET)

Chemical base	1-component polyurethane (Purform®)
Color (CQP001-1)	black
Cure mechanism	Moisture-curing
Density (uncured)	1.33 kg/l
Non-sag properties (CQP061-1)	Excellent
Application temperature	ambient, product 5 – 35 °C
Skin time (CQP019-1)	15 minutes <sup>A</sup>
Open time (CQP526-1)	10 minutes <sup>A</sup>
Shore A hardness (CQP023-1 / ISO 48-4)	60
Tensile strength (CQP036-1 / ISO 527)	7 MPa
Elongation at break (CQP036-1 / ISO 527)	400 %
Tear propagation resistance (CQP045-1 / ISO 34)	10 N/mm
Tensile lap-shear strength (CQP046-1 / ISO 4587)	4 MPa
Minimum Drive Away Time (cars) according FMVSS 212 (CQP511-1)	with airbag 60 minutes <sup>B, C</sup>
Shelf life	12 months <sup>D</sup>

CQP = Corporate Quality Procedure

<sup>A)</sup> 23 °C / 50 % r. h.<sup>C)</sup> 5 – 35 °C<sup>B)</sup> details about MDAT contact Sika<sup>D)</sup> storage below 25 °C

## DESCRIPTION

SikaTack® DRIVE (Purform®) is based on Purform®, an industry-leading polyurethane with less than 0.1 % monomeric diisocyanate for better health protection and occupational safety.

SikaTack® DRIVE (Purform®) is a cold applied Automotive Glass Replacement adhesive offering 60 minutes Minimum Drive-Away Time (MDAT). It can be used all year round and is ideal for mobile or in-house applications. SikaTack® DRIVE (Purform®) has been tested according FMVSS 212 with 95th percentile dummies.

## PRODUCT BENEFITS

- Less than 0.1 % monomeric diisocyanate for better health protection and occupational safety
- 60 minutes Minimum Drive Away Time, acc. FMVSS 212 / 95<sup>th</sup> percentile dummies
- Supports fast, robust ADAS calibration
- Best in class application properties
- Automotive OEM quality
- Compatible with Sika's Clear Aktivator- and All Black installation process
- Compatible with all car brands thanks to Sika's all-in-one modulus technology
- Increased decking

## AREAS OF APPLICATION

SikaTack® DRIVE (Purform®) is suitable for experienced professional users only.

This product and related process information is designed for Automotive Glass Replacement. For other applications, tests with actual substrates and conditions have to be performed ensuring adhesion and material compatibility.

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SikaTack® DRIVE (Purform®)

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## CURE MECHANISM

SikaTack® DRIVE (Purform®) cures by reaction with atmospheric moisture. At low temperatures the water content of the air is generally lower and the curing reaction proceeds somewhat slower (see diagram 1).

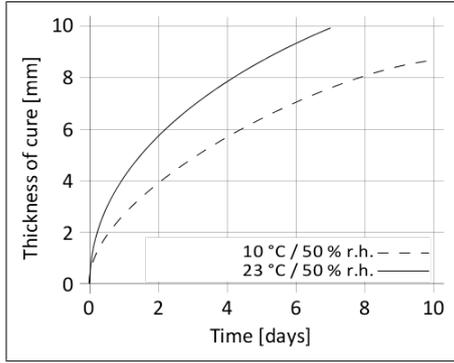


Diagram 1: Curing speed for SikaTack® DRIVE (Purform®)

## CHEMICAL RESISTANCE

SikaTack® DRIVE (Purform®) is generally resistant to fresh water, seawater, diluted acids and diluted caustic solutions; temporarily resistant to fuels, mineral oils, vegetable and animal fats and oils; not resistant to organic acids, glycolic alcohol, concentrated mineral acids and caustic solutions or solvents.

## METHOD OF APPLICATION

### Surface preparation

Surfaces must be clean, dry and free from grease, oil, dust and contaminants.

The bond faces must be treated according Sika's Clear Aktivator or All Black installation process. Further information on the application and use of Pre-treatments, can be found in the corresponding Product Data Sheet. Windshields without ceramic coatings need proper UV protection.

## Application

It is recommended to apply SikaTack® DRIVE (Purform®) with a powerful battery operated application gun.

Consider that the viscosity will increase at low temperature. For easy application, condition the adhesive at ambient temperature prior to use.

To ensure a uniform thickness of the bondline it is recommended to apply the adhesive in form of a triangular bead (see figure 1).

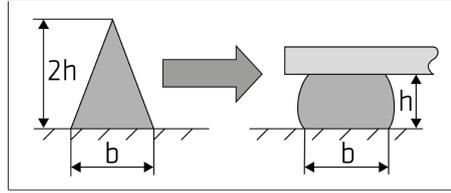


Figure 1: Recommended bead configuration

The open time is significantly shorter in hot and humid climate. The glass must always be installed within the open time. Never install a glass after the adhesive has built a skin.

## Removal

Uncured SikaTack® DRIVE (Purform®) may be removed from tools and equipment with Sika® Remover-208 or another suitable solvent. Once cured, the material can only be removed mechanically.

Hands and exposed skin have to be washed immediately using hand wipes such as Sika® Cleaner-350H or a suitable industrial hand cleaner and water.

Do not use solvents on skin.

## FURTHER INFORMATION

The information herein is offered for general guidance only. Advice on specific applications is available on request from the Technical Department of Sika Industry.

Copies of the following publications are available on request:

- Safety Data Sheets
- Clear Aktivator installation process chart
- All Black installation process chart

## PACKAGING INFORMATION

Cartridge	300 ml
Unipack	400 ml
	600 ml

## BASIS OF PRODUCT DATA

All technical data stated in this document are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

## HEALTH AND SAFETY INFORMATION

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

## DISCLAIMER

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