

PRODUCT DATA SHEET

SikaTack® ELITE (Purform®)

Designed for Sika PowerCure – high speed performance in almost every climate

TYPICAL PRODUCT DATA (FURTHER VALUES SEE SAFETY DATA SHEET)

Chemical base	1-component polyurethane (Purform®)
Color (CQP001-1)	Black
Cure mechanism	Moisture-curing ^A
Density (uncured)	1.33 kg/l
Non-sag properties	Very good
Application temperature	product ambient
	10 – 35 °C -5 – 35 °C
Open time (CQP526-1)	10 minutes ^B
Curing speed (CQP049-1)	see table 1
Shore A hardness (CQP023-1 / ISO 48-4)	60
Tensile strength (CQP036-1 / ISO 527)	7 MPa
Elongation at break (CQP036-1 / ISO 527)	380 %
Tear propagation resistance (CQP045-1 / ISO 34)	10 N/mm
Tensile lap-shear strength (CQP046-1 / ISO 4587)	4.5 MPa
Minimum Drive Away Time (cars) according FMVSS 212 (CQP511-1)	with airbag
	30 minutes ^{C, D}
Cured to OEM level (CQP046-1 / ISO 4587)	60 minutes ^B
Insulation resistance (CQP079-2 / DIN IEC 60167)	Low conductive
Shelf life	9 months ^E

CQP = Corporate Quality Procedure
C) details about MDAT contact Sika

A) provided by PowerCure
D) -5 – 35 °C

B) 23 °C / 50 % r. h.
E) stored below 25 °C

DESCRIPTION

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

SikaTack® ELITE (Purform®) provides 30 minutes Minimum Drive Away Time and cures to OEM Level within just 60 minutes. It is applied with the Sika PowerCure Dispenser and can be used all year round for mobile or in house applications.

SikaTack® ELITE (Purform®) has been tested according to FMVSS 212 with 95th percentile dummies.

PRODUCT BENEFITS

- Less than 0.1 % monomeric diisocyanate for better health protection and occupational safety
- 30 min. Minimum Drive Away Time, acc. FMVSS 212 / 95th percentile dummies
- Enables fast, robust ADAS calibration
- Cured to OEM Level within 60 minutes almost independent of climate
- Compatible with Sika's All Black installation process
- Compatible with all car brands thanks to Sika's all-in-one modulus technology

AREAS OF APPLICATION

SikaTack® ELITE (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.

CURE MECHANISM

SikaTack® ELITE (Purform®) cures by reaction with moisture provided by the accelerator paste and largely independent from atmospheric moisture. For typical strength build up data see table below.

Time [min.]	Strength [MPa]
60	1.8
120	3.6

Table 1: Lap shear strength (CQP 046-1) at 23 °C / 50 % r.h.

CHEMICAL RESISTANCE

SikaTack® ELITE (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 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

Setup the PowerCure Dispenser according the PowerCure User Manual. If the application is discontinued for more than 2 minutes, the mixer needs to be replaced.

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 recommend to apply the adhesive in form of a triangular bead (see figure 1).

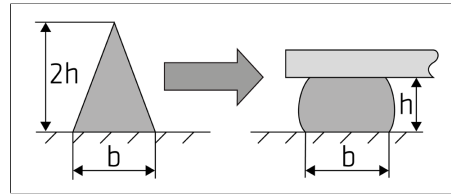


Figure 1: Recommended bead configuration

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® ELITE (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
 - All Black installation process chart
 - PowerCure User Manual
 - PowerCure Quick Reference Guide
 - OEM Level: Brochure
- Safety without compromise

PACKAGING INFORMATION

PowerCure Pack	600 ml
	400 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

Any information or suggestions for use concerning Sika's products, which we either in writing or orally have given buyers or end-users of the product, have been given in good faith based on our own experiences and based on approved praxis and the technological and scientific knowledge on the time of giving such suggestions and information, which are given without any type of guarantees, and which do not lead to any further responsibility from Sika Danmark A/S, besides what is stated in the sales agreement in question. The buyer or end-user should themselves investigate or otherwise make sure, that our products are suitable for the use in question and further make sure that the products are kept and used correct and in agreement with the published rules and considering the actual conditions in order to avoid damages or less satisfactory results. Any order is accepted and any deliverance is affected according to the general terms of sales and delivery from Sika Danmark A/S, which are considered known and accepted, and which could be handed out when asked for. Our catalogues are not up-dated automatically. The present product data sheet is only for use in Denmark. Values stated in the present product data sheet should be seen as recommended, unless stated otherwise.

PRODUCT DATA SHEET

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