

PRODUCT DATA SHEET

SikaReinforcer®-662

High modulus, stiffener extruded pad with glass fiber for panel reinforcement.

TYPICAL PRODUCT DATA (FURTHER VALUES SEE SAFETY DATA SHEET)

Chemical base	Epoxy hybrid	
Color (CQP001-1)	Grey	
Density	1.5 - 1,6 kg/l	
Solid content (ASTM D2834)	99 %	
Deflection resistance	1.3 mm thickness (fine glass fiber)	78 N ^D
	1.3 mm thickness (gross glass fiber)	100 N ^D
Standard Baking Conditions	15 ramp up + 20 minutes	140 °C / 284 °F ^B
Elongation at break (CQP580-5, -6 / ISO 527)		0.2 — 0.4 %
Shelf life		6 months ^C

CQP = Corporate Quality Procedure

A) Sample preparation based on Sika design

B) Object temperature

C) according storage conditions

D) Sheet metal thickness 0.7 mm

DESCRIPTION

SikaReinforcer®-662 is a stiffener extruded pad with glass fiber (thin or gross) for panel reinforcement. SikaReinforcer®-662 reinforces the panel, improving the bending resistance on critical areas. It is cured with heat on e-coat oven an painting ovens.

PRODUCT BENEFITS

- Manual application
- Resistant to heat and cold
- Resistant to Pretreatment and E-coat Baths
- Self Adhesive
- Great corrosion resistance

AREAS OF APPLICATION

SikaReinforcer®-662 provides good resistance when applied to metallic panels subjected to deflection forces. It is designed to be applied in areas that needs to be reinforced, depending on the metal and material thickness, SikaReinforcer®-662 can enhance the resistance of the metal sheet between 1,5 to 4 times.

This product is suitable for experienced professional users only.

CURE MECHANISM

SikaReinforcer®-662 is cured by heat. The cure rate depends on temperature and time of exposure. The most common heat sources are convection ovens. The minimum curing temperature is 30 minutes for 130 °C and shall not exceed 210 °C for 30 minutes.

METHOD OF APPLICATION

Application

Consider that at temperatures below 15 °C the adhesion of the parts on the sheet metal can decrease. Therefore ensure that the product has been pre-conditioned before it is applied in the car body.

ADHESION AND DURABILITY

SikaReinforcer®-662 exhibits good adhesion to oily, phosphate and E-coated metal surfaces, including cold rolled and galvanised steel (hot dipped and electroplated). This product maintains its adhesion and properties after subjection to the various bake schedules and fatigue tests used in the automotive industry and under real aging conditions in the vehicle.

Tests must be done before with actual substrates and conditions to ensure adhesion and material compatibility.

DESIGN

SikaReinforcer®-662 parts can be supplied in different dimensions and thickness according to the customer drawings or Sika engineering suggestion.

STORAGE CONDITIONS

SikaReinforcer®-662 shall be kept dry (tightly closed boxes) away from direct sunlight at temperatures below 25 °C and a relative humidity of 50%. Storage outside of this standard condition affects the shelf life.

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:

- Voluntary Safety Information Sheet

PACKAGING INFORMATION

Cardboard box or returnable box

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

The information, and, in particular, the recommendations relating to the application and enduse 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 accordance with Sika's recommendations. 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 user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.