

PRODUCT DATA SHEET

SikaBaffle®-250 PB2

Thermally expandable cavity sealer for automotive applications suitable for pre-bake conditions

TYPICAL PRODUCT DATA

Chemical base	EVA
Color (CQP001-1)	Green
Density	1.0 kg/l
Volumetric expansion	400 % ^A
Standard Baking Conditions	20 minutes 160 °C / 320 °F ^B
Shelf life	9 months ^C

CQP = Corporate Quality Procedure

^A) Depending on geometry / cure condition^B) Object temperature^C) Storage at 25 °C / 50 % R.H.**DESCRIPTION**

SikaBaffle®-250 PB2 is a thermoplastic, heat-reactive expandable baffle with good sealing properties. Used as an acoustic cavity sealer in automotive body shop applications, this product also provides good barrier properties against air, moisture and dust intrusion. It can be processed as injection molded parts to seal complex cavity shapes; alternatively, simple designed extruded parts can be applied with low or no associated tooling costs. SikaBaffle®-250 PB2 exhibits an homogeneous expansion over a broad temperature range and is developed for processes that include a prebake oven.

PRODUCT BENEFITS

- Effective sealing preventing noise, air, dust and moisture entering the vehicle
- Homogeneous expansion over an extended bake temperature range
- Suits body shop processes with a pre-bake oven
- Flexible design options through injection molding
- Low tooling cost when extruded

AREAS OF APPLICATION

SikaBaffle®-250 PB2 shall be applied in the automotive body shop and is compatible with common body and paint shop treatments. Designs can be fitted to existing sheet metal holes using standard or customized mechanical fasteners. The mechanical fasteners are chosen or designed to maintain the proper positioning throughout the assembly process without deflection or movement. Due to a high flexibility of profile options of extruded and molded parts, SikaBaffle®-250 PB2 can be utilized in nearly every type of cavity.

This product is suitable for experienced professional users only.

PRODUCT DATA SHEET

SikaBaffle®-250 PB2

Version 04.01 (03 - 2024), en_US

018115180008000000

ADHESION AND DURABILITY

After exposure to standard electrodeposition bake conditions, SikaBaffle®-250 PB2 exhibits good adhesion to e-coated surfaces. It maintains its adhesive properties after subjection to the various ageing and weathering test conditions used in the automotive industry. SikaBaffle®-250 PB2 is chemically resistant to water, salt and lubricating oils typically applied in automotive manufacturing.

Test with actual substrates and conditions have to be performed to ensure adhesion and material compatibility.

DESIGN

By engineering sealer/carrier design, the acoustic properties of the system can be tailored to meet the requirements. Dedicated team of design and CAD/CAM engineers can develop optimized part designs from math data, blueprints, actual or mock-up cavities during any phase of vehicle development. Rapid prototyping of parts can be used to meet demanding development time schedules.

STORAGE CONDITIONS

Material has to be kept dry at temperatures between 15 °C and 25 °C and at a relative humidity of maximum 50 %. Do not expose to sunlight. Storage outside of standard conditions can affect 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 Automotive.

Copies of the following publications are available on request:

- Voluntary Safety Information Sheet

PACKAGING INFORMATION

Recyclable corrugate or returnable containers

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.

ENVIRONMENTAL, HEALTH AND SAFETY

This product contains no substances which are intended to be released from the article under normal or reasonably foreseeable conditions of use. A safety data sheet is therefore not needed to bring the product to the market, to transport or to use it. For safe use follow the instructions given in the Voluntary Safety Information sheet.

LEGAL DISCLAIMER

Prior to each use of any product of Sika Corporation, its subsidiaries or affiliates ("SIKA"), the user must always read and follow the warnings and instructions on the product's most current product label, Product Data Sheet and Safety Data Sheet which are available at usa.sika.com or by contacting SIKA's Technical Service Department via email at tsmh@us.sika.com. Nothing contained in any SIKA literature or materials relieves the user of the obligation to read and follow the warnings and instructions for each SIKA product as set forth in the current product label, Product Data Sheet and Safety Data Sheet prior to use of the SIKA product.

SIKA warrants this product for one year from date of installation to be free from manufacturing defects and to meet the technical properties on the current Product Data Sheet if used as directed within the product's shelf life. User determines suitability of product for intended use and assumes all risks. User's and/or buyer's sole remedy shall be limited to the purchase price or replacement of this product exclusive of any labor costs. **NO OTHER WARRANTIES EXPRESS OR IMPLIED SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SIKA SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES. SIKA SHALL NOT BE RESPONSIBLE FOR THE USE OF THIS PRODUCT IN A MANNER TO INFRINGE ON ANY PATENT OR ANY OTHER INTELLECTUAL PROPERTY RIGHTS HELD BY OTHERS.** Sale of SIKA products are subject to the Terms and Conditions of Sale which are available at <https://usa.sika.com/en/group/SikaCorp/termsandconditions.html> or by calling +1 800-933-7452.

PRODUCT DATA SHEET

SikaBaffle®-250 PB2

Version 04.01 (03 - 2024), en_US
018115180008000000

Sika Corporation

30800 Stephenson Highway
Madison Heights, MI 48071
U.S.A.

Telephone: +1 248-577-0020
Email: tsmh@us.sika.com
www.sikausa.com

