

SikaGlaze® IG-5 PIB

Thermoplastic Primary Sealant for Insulating Glass

Technical Product Data

Chemical base		PIB
Colour		Black, Grey
Density (CQP 006-4 / ISO 1183)	Black Grey	1.1 kg/l approx. 1.2 kg/l approx.
Solid content		> 99%
Penetration - 60°C (ISO 2137)	Black Grey	70 [0.1 mm] approx. 80 [0.1 mm] approx.
Moisture vapour permeability (EN 1279-4)		0.03 g/(m ² ·d·2mm) approx.
Gas permeation rate (EN 1279-4)		< 1 x 10 ⁻³ g/(m ² ·h) approx.
Shelf life (storage below 25°C in original closed packaging)		12 months
Application temperature	Black Grey	130 - 150°C (265 - 300°F) 120 - 140°C (250 - 285°F)

Industry

Description

SikaGlaze® IG-5 PIB is a one-component, solvent-free, thermoplastic quality sealant based on polyisobutylene (PIB, butyl).

SikaGlaze® IG-5 PIB is manufactured in accordance with ISO 9001 quality assurance system

Product Benefits

- One-component
- Good adhesion properties
- Resistant to ageing
- Low water vapour permeability and argon permeation
- Solvent-free
- No shrinkage

Areas of Application

SikaGlaze® IG-5 PIB is used in the production of dual-sealed insulating glass units as primary sealant. It is well suited to achieve the approvals based on EN1279, parts 2 and 3.

This product is only suitable for professional experienced users. Test with actual substrates and conditions have to be performed to ensure adhesion and material compatibility.



Chemical Resistance

Information regarding chemical resistance is available from the Technical Service Department of Sika Industry on request.

Application Limitation

For specific information regarding compatibility between SikaGlaze® IG-5 PIB and various Sikasil® and SikaGlaze® products please contact the Technical Service Department of Sika Industry. All other sealants (which have to be solvent free in general) have to be approved by Sika before using them in combination with SikaGlaze® IG-5 PIB.

Method of Application

Surface preparation

Surfaces must be clean, dry and free from all traces of grease, oil and dust.

Application

The extrusion melting equipment is adjusted to the required temperature range.

Preliminary tests are recommended.

Due to the high application temperatures the rules of "safety at work" have to be considered.

Removal

SikaGlaze® IG-5 PIB can be removed with itself.

SikaGlaze® IG-5 PIB may be removed from tools and equipment using Sika® Remover-208 or another suitable solvent.

Hands and exposed skin should be washed immediately using Sika® Handclean Towel or a suitable industrial hand cleaner and water. Do not use solvents!

Further Information

Copies of the following publications are available on request:

- Material Safety Data Sheets

Packaging Information

Cardboard cylinder (Ø190 mm)	7 kg
Further packaging on request	

Value Bases

All technical data stated in this Product Data Sheet 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 Material Safety Data Sheets containing physical, ecological, toxicological and other safety-related data.

Legal Notes

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 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.

Further information available at:
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