

SikaGlaze® GG-735**Self-levelling 2-part PU-grout for embedding of glass panels**

Technical Product Data

Properties	Component A SikaGlaze® GG-735	Component B SikaGlaze® GG-735
Chemical base	Polyols, filled	Isocyanate derivatives
Color (CQP ¹ 001-1)	Beige	Brown
Color mixed	Beige	
Cure mechanism	Poly addition	
Density (CQP 006-5)	1.6 g/cm ³ approx.	1.2 g/cm ³ approx.
Density mixed (calculated)	1.5 g/cm ³ approx.	
Solids content	100%	100%
Mixing ratio	by volume by weight	100 : 25 100 : 19
Viscosity ² (CQP 538-2)	Brookfield - RVT 6/20 Brookfield - RVT 2/50	30'000 mPa·s approx. 250 mPa·s approx.
Viscosity (mixed)	Brookfield - RVT 6/20	10'000 mPa·s approx.
Application temperature	15 - 30°C (60 - 85°F)	
Pot-life ² (CQP 536-3)	35 min. approx.	
Shore D hardness ² (CQP 537-2)	80 D approx.	
Tensile strength ³ (CQP 545-2 / ISO 527)	11 N/mm ² approx.	
Elongation at break ³ (CQP 545-2 / ISO 527)	9% approx.	
Tensile lap-shear strength ³ (CQP 546-2 / ISO 4587)	9 N/mm ² approx.	
Shelf life (storage between 10 and 30°C)	12 months	9 months

¹ CQP = Corporate Quality Procedure² 23°C (73°F) / 50% r.h.**Description**

SikaGlaze® GG-735 A&B is a pourable, self-levelling, two-component polymer grout based on polyurethane resin.

SikaGlaze® GG-735 is manufactured in accordance with ISO 9001 / 14001 quality assurance system and the responsible care program.

Product Benefits

- Room temperature curing
- Solvent-free
- Long pot-life, easy to use
- Stress free glass embedding

Areas of Application

SikaGlaze® GG-735 is designed for embedding of monolithic or laminated glass panes in U-profiles or concrete joints. It is suitable for indoor and outdoor applications and often used for glass balustrades and total vision glass walls. This product is suitable for professional experienced users only. Tests with actual substrates and conditions have to be performed to ensure material compatibility.



Cure Mechanism

The curing of SikaGlaze® GG-735 takes place by a chemical reaction of the two components. Higher temperatures speed up and lower temperatures slow down the curing process.

Chemical Resistance

In case of chemical or thermal exposure, conduct project related testing.

Please consult the Technical Department of Sika Industry for advice.

Application Limits

The compatibility of setting blocks, backer rods, and other accessory materials with SikaGlaze® GG-735 must be tested in advance. We recommend using setting blocks made of SikaGlaze® GG-735.

Method of Application

Prior to the product application consult "General Guidelines: Glass Embedding with self-levelling Polyurethanes" for construction details and dimensions or contact the Technical Department of Sika Industry.

Surface preparation

Prepare the substrates to avoid adhesion for easier glass replacement. After the cleaning process, a chemical pre-treatment with a suitable release agent is recommended.

Advice on specific applications is available from the Technical Department of Sika Industry.

Application

The procedure for manual application is as follows: Stir the base part thoroughly before use, add the hardener in the given ratio and stir constantly until a homogeneous mixture is obtained. Apply the mixture before reaching half of the pot-life. Further details can be obtained from the Technical Service Department of Sika Industry. For automated applications contact the System Engineering Department of Sika Industry.

Outdoor application

In order to protect the PU grout against UV radiation it is recommended to apply a bead of Sikasil® WS sealant on top of the fully cured grout, earliest after 24 hours.

Removal

Uncured SikaGlaze® GG-735 may be removed from tools and equipment with Sika® Remover-208. Once cured, the material can only be removed mechanically. Hands and exposed skin should be washed immediately using Sika® Handclean towels or a suitable industrial hand cleaner and water. Do not use solvents!

Storage Conditions

SikaGlaze® GG-735 has to be kept between 10°C and 30°C in a dry place. Do not expose it to direct sunlight or frost. After opening of the packaging, the content has to be protected against humidity. Minimum temperature during transportation is -20°C for maximum 7 days.

Further Information

Copies of the following publications are available on request:

- Safety Data Sheets
- General Guidelines: Glass Embedding with self-levelling Polyurethanes

Packaging Information

Component A Resin	Can	5 kg
	Pail	25 kg
Component B Hardener	Can	1 kg
	Can	5 kg
	Pail	20 kg

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 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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