

SikaGlaze® GG-735

Self-levelling 2-part PU-grout for embedding of glass panels

Typical Product Data (Further Values See Safety Data Sheet)

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

^{A)} CQP = Corporate Quality Procedure

^{B)} 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.

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.

Prior to each use of any Sika product, the user must always read and follow the warnings and instructions on the product's most current Product Data Sheet, label and Safety Data Sheet, which are available on request at tsmh@us.sika.com. Nothing contained in any Sika 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 Data Sheet, label and Safety Data Sheet prior to product use.

Industry



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.

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 Services 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.

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.

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 a suitable industrial hand cleaner and water. Do not use solvents on skin!

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. Avoid contact with alcohol and alcohol containing solvents during cure. Do not apply on frozen surfaces or through standing water, or on wet surfaces.

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 must be protected against humidity. Minimum temperature during transportation is -20°C for max. 7 days.

Further Information

Advice on specific applications will be given on request. To contact Sika Corporation's Industry Technical Services Department please send an email to tsmh@us.sika.com. Copies of the following publications are available upon request:

- Safety Data Sheets
- Product 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

Basis of Product Data

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.

Limited Material Warranty

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 shelf life. User determines suitability of product for intended use and assumes all risks. Buyer's sole remedy shall be limited to the purchase price or replacement of product exclusive of labor or cost of labor. **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.**

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