

PRODUCT DATA SHEET

SikaPower®-2955

Super fast adhesive for determination of surface tensile strengths

TYPICAL PRODUCT DATA (FURTHER VALUES SEE SAFETY DATA SHEET)

Properties	SikaPower®-2955 A	SikaPower®-2955 B
Chemical base	Isocyanate	Polyol
Color (CQP001-1)	Tan	Black
Density	1.3 kg/l	1.2 kg/l
Mixing ratio	Comp. A : Comp. B = 1 : 1 (by volume)	
Application temperature	+5 °C - +30 °C	
Working time	~ 90 seconds (+20 °C)	
Shore D hardness (ASTM D2240)	69	
Tensile strength (ISO 527)	26 MPa	
Elongation at break (ISO 527)	65 %	
Shelf life	In unopened original packaging: 24 months from production date Storage temperature between +5 °C and +25 °C. Store in a dry place. Protect from direct sunlight.	

DESCRIPTION

SikaPower®-2955 is a 2-component polyurethane adhesive with excellent adhesion properties on different substrates such as concrete, PCC mortar, epoxy resin, polyurethane, etc. It is specially designed for the determination of surface tensile strength.

PRODUCT BENEFITS

- **Fast curing**
- Pull-off test can be carried out after 45 minutes (+20 °C)
- **Easy application**
using a hand gun
- **High yield**
~15 stamps per 50 ml cartridge
- **Optimum stability**
Fast and accurate fixing of the test stamp
- **No manipulation of the measurement results**
due to hardening of the substrate

AREAS OF APPLICATION

SikaPower®-2955 is suitable for determination of surface tensile strengths.

METHOD OF APPLICATION

Surface preparation

The test stamps are roughened with a grinding machine or sandpaper and then cleaned or degreased with a lint-free cloth. The test stamps must be dry and free of grease.

Concrete surfaces must be prepared in accordance with ZTV-ING (e.g. by blasting). Coating systems are roughened with coarse sandpaper or a steel brush. The grinding dust is removed with a lint-free cloth or oil-free compressed air and then degreased.

Application

Only use SikaPower®-2955 with the supplied hand gun and mixers.

Before bonding the test stamps, squeeze out a bead (approx. 1 cm) without a mixer to equalise the filling levels in the cartridge. Then place the mixer on top and squeeze out another bead (approx. 1 cm). This ensures that the material is sufficiently mixed during bonding.

Apply a thin (approx. 1 mm thick) layer of adhesive to the test stamp so that the adhesive can form an even, homogeneous layer between the test stamp and the substrate. Apply sufficient pressure with the hand gun so that the air contained in and between the contact surfaces and the adhesive can be pressed out. The test stamps must be centred and bonded. Protrusions into the groove are not permitted. No adhesive may enter the drill groove.

SikaPower®-2955 must be processed between +5 °C and +30 °C (product, ambient and substrate temperature).

Removal

Uncured SikaPower®-2955 can be removed from tools and equipment with Sika® Remover-208 or another suitable solvent. After curing, the material can only be removed mechanically.

Before removing the adhesive from the test stamps, it is recommended to place the test stamps with the non-adhesive side on a hot-plate for approx. 5 minutes and then remove the adhesive remains with a spatula or clean with an appropriate tool. As vapours are released when the adhesive is heated, sufficient air extraction is required.

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.

PACKAGING INFORMATION

Case set:

- 1 x hand gun
- 3 x 50 ml double cartridge
- 10 x mixer

Double cartridge and mixer can also be ordered separately.

Each 50 ml double cartridge contains 3 mixers.

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.

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SikaPower®-2955
Version 03.01 (06 - 2024), en_DE
012106019553001000

Sika Deutschland GmbH
Industry
Stuttgarter Straße 139
72574 Bad Urach
Tel. +49 7125 940-7692
verkauf.industry@de.sika.com
www.sika.de

