

PRODUKTO DUOMENŲ LAPAS

Sikaflex®-221

Multi-purpose adhesive sealant with a wide adhesion range

TIPINIAI PRODUKTO DUOMENYS (DAUGIAU REIKŠMIŲ ŽIŪRĖTI SAUGOS DUOMENŲ LAPE)

Pagrindinis cheminis komponentas	1-component polyurethane
Spalva (CQP001-1)	White, grey, black, brown
Kietėjimo mechanizmas	Moisture-curing
Tankis (nekietinto)	depending on color 1.3 kg/l
Nesideformavimo savybės	Good
Dengimo/naudojimo temperatūra	ambient 5 – 40 °C
Paviršiaus kietėjimo laikas (CQP019-1)	60 minutes ^A
Darbo/atviras laikas (CQP526-1)	45 minutes ^A
Kietėjimo greitis (CQP049-1)	(see diagram)
Susitraukimas (CQP014-1)	5 %
Kietumas pagal Šorą A (CQP023-1 / ISO 48-4)	40
Tempimo stipris (CQP036-1 / ISO 527)	1.8 MPa
Pailgėjimas trūkio momentu (CQP036-1 / ISO 37)	500 %
Atsparumas plyšimų plitimui (CQP045-1 / ISO 34)	7 N/mm
Eksplotavimo temperatūra (CQP513-1)	-50 – 90 °C 24 hours 120 °C 1 hour 140 °C
Tinkamumo laikas	12 months ^B

CQP = Corporate Quality Procedure

^{A)} 23 °C / 50 % r.h.^{B)} storage below 25 °C

APRAŠYMAS

Sikaflex®-221 is a multi-purpose 1-component polyurethane adhesive / sealant that bonds well to a wide variety of substrates like metals, metal primers and paint coatings (2-component systems), ceramic materials and plastics. It is suitable for making permanent elastic seals.

GAMINIO PRIVALUMAI

- Bonds well to a wide variety of substrates
- Resistant to ageing
- Can be sanded and painted
- Passes EN45545-2 R1/R7 HL3
- Non-corrosive
- Low odor

TAIKYMO SRITYS

Sikaflex®-221 bonds well to a wide variety of substrates and is suitable for making permanent elastic seals. Suitable substrate materials are metals, metal primers and paint coatings (2-component systems), ceramic materials and plastics. It is ideally used for internal sealing and simple bonding applications. Seek manufacturer's advice and perform tests on original substrates before using Sikaflex®-221 on materials prone to stress cracking. This product is suitable for experienced professional users only. Test with actual substrates and conditions have to be performed to ensure adhesion and material compatibility.

KIETĖJIMO MECHANIZMAS

Sikaflex®-221 cures by reaction with atmospheric moisture. At low temperatures the water content of the air is generally lower and the curing reaction proceeds somewhat slower (see diagram 1).

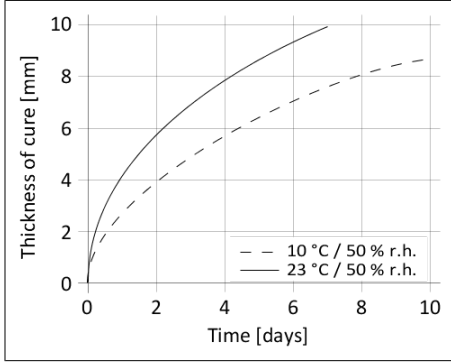


Diagram 1: Curing speed for Sikaflex®-221

CHEMINIS ATSPARUMAS

Sikaflex®-221 is generally resistant to fresh water, seawater, diluted acids and diluted caustic solutions; temporarily resistant to fuels, mineral oils, vegetable and animal fats and oils; not resistant to organic acids, glycolic alcohol, concentrated mineral acids and caustic solutions or solvents.

TAIKYMO METODIKA

Paviršiaus Paruošimas

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

Surface treatment depends on the specific nature of the substrates and is crucial for a long lasting bond. Suggestions for surface preparation may be found on the current edition of the appropriate Sika® Pre-Treatment Chart. Consider that these suggestions are based on experience and have in any case to be verified by tests on original substrates.

Taikymas

Sikaflex®-221 can be processed between 5 °C and 40 °C but changes in reactivity and application properties have to be considered. The optimum temperature for substrate and sealant is between 15 °C and 25 °C.

Sikaflex®-221 can be processed with hand, pneumatic or electric driven piston guns as well as pump equipment. For advice on selecting and setting up a suitable pump system, contact the System Engineering Department of Sika Industry.

Naudojami įrankiai ir apdaila

Tooling and finishing must be carried out within the skin time of the sealant. It is recommended using Sika® Tooling Agent N. Other finishing agents must be tested for suitability and compatibility prior the use.

Pašalinimas

Uncured Sikaflex®-221 can be removed from tools and equipment with Sika® Remover-208 or another suitable solvent. Once cured, the material can only be removed mechanically. Hands and exposed skin have to be washed immediately using hand wipes such as Sika® Cleaner-350H or a suitable industrial hand cleaner and water. Do not use solvents on skin.

Perdažymas

Sikaflex®-221 can be painted after formation of a skin. If the paint requires a baking process, best performance is achieved by allowing the sealant to fully cure first. 1C-PUR and 2C-acrylic based paints are usually suitable. All paints have to be tested by carrying preliminary trials under manufacturing conditions. The elasticity of paints is usually lower than of sealants what could lead to cracking of the paint film in the joint area.

TOLIMESNĖ INFORMACIJA

The information herein is offered for general guidance only. Advice on specific applications is available on request from the Technical Department of Sika Industry.

Copies of the following publications are available on request:

- Safety Data Sheets
- Sika Pre-treatment Chart
- Polyurethane
- General Guidelines
- Bonding and Sealing with Sikaflex® and Sika-Tack®

PAKUOTĖS INFORMACIJA

Cartridge	300 ml
Unipack	400 ml 600 ml
Pail	23 l
Drum	195 l

PRODUKTO INFORMACIJOS PAGRINDIMAS

All technical data stated in this document are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

SVEIKATOS IR SAUGOS INFORMACIJA

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.

ATSISAKYMAS

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.