

Sikaflex®-201T

One-component, all purpose, textured polyurethane sealant

Technical Data (typical values). Results may differ based upon statistical variations depending upon mixing methods and equipment, temperature, application methods, test methods, actual site conditions and curing conditions.

Technical Product Data (typical values)

Chemical base	1-C polyurethane
Color	Aluminum Gray, Black, Limestone, White, Deep Bronze
Cure mechanism	Moisture Cured
VOC (EPA Method 24)	0.33 lb/gal (40 g/l)
Density	12.1 lb/gal
Application temperature ²	40°to 100°F (4°to 38°C)
Service temperature	-40°to 194°F (-40°to 90°C)
Tack free time ¹	3 hours
Curing speed	(see diagram 1)
Shore A-hardness (ASTM D 2240)	35
Tensile strength (ASTM D 412)	150 psi
Elongation at break (ASTM D 412)	300%
Tear strength (ASTM D 624)	50 lb/in
Maximum expansion/contraction	+/- 25% average joint width
Shrinkage	4%
Non-Sag properties	Good
Shelf life (storage below 75°F (24°C)) Cartridge & Unipacs	12 months

1) 73°F (23°C) / 50% r.h.

2) Refers to ambient temperature.

Description

Sikaflex®-201T is a moisture-cured, 1-component, polyurethane-based, non-sag elastomeric sealant capable of ±25% joint movement. The textured consistency is ideal for use in sealing applications requiring a rough appearance. AAMA 808.3-92 approved for perimeter sealing compounds. Meets ASTM C-920, Type S, Grade NS, Class 25. Federal specification TT-S-00230C is superseded by ASTM C-920. Meets ASTM C-794 Adhesion in Peel. This product is manufactured using a quality management system that has been certified to be compliant with ISO 9001:2000 and ISO 14000:2004 standards.

Product Benefits

- Excellent adhesion bonds to most construction materials without a primer.
- Highly elastic and durable.
- Textured appearance blends well to rough or stucco type surfaces.
- Hides imperfections from tooling that a smooth sealant does not.
- Non-staining.
- May be painted. Pre-testing is essential.
- High elasticity – cures to a tough, durable, flexible consistency with exceptional cut and tear-resistance.
- Stress relaxation.
- Good resistance to weathering and aging.

Areas of Application

- Designed for all types of joints where maximum depth of sealant will not exceed ½in.
- Suitable for vertical and horizontal joints; can be applied as low as 40°F(4°C)
- Has many applications as an elastic sealant.
- Can be used between materials with dissimilar coefficients of expansion.
- For best performance, Sikaflex®-201T should be gunned into joint when temperatures are moderate. This product is suitable for experienced professional users only.
- Tests with actual substrates and conditions have to be performed to

Industry



ensure adhesion and material compatibility.

Ideal for:

- Weatherproofing of joints between brickwork, blockwork, masonry, wood and concrete or metal frames.
- Joints in walls and balconies.
- Sealing around fenestration openings such as windows, doors, curtain walls and transitions to brick and masonry walls and foundations frames.
- Expansion joints.

Coverage

10.1 fl. oz. cartridge seals 24.3 lineal ft. of 1/4" X 1/4" joint

Cure Mechanism

Sikaflex®-201T cures by reaction with atmospheric moisture. At low temperatures the water content of the air is generally lower and the reaction proceeds somewhat slower.

Chemical Resistance

Sikaflex®-201T is resistant to fresh water, seawater, sewage effluent, diluted acids and caustic solutions; temporarily resistant to fuels, mineral oils, vegetable and animal fats and oils; not resistant to organic acids, alcohol, concentrated mineral acids and caustic solutions or solvents. The above information is offered for general guidance only. Advice on specific applications will be given on request. Additional information can be obtained at www.sikausa.com or by contacting the Technical Service Department of Sika Corporation via e-mail at tsmh@us.sika.com.

Method of Application

Surface preparation

Surfaces must be clean, dry, frost free and free from all traces of grease, oil and dust. As a rule, the substrates must be prepared in accordance with the instructions given in the current Sika Primer Chart. Advice on specific applications is available from the Technical Service Department of Sika Industry at tsmh@us.sika.com.

Application

Recommended application temperatures: 40°F to 100°F (4°C to 38°C). For cold weather application, store units at approximately 70°F (21°C); remove just prior to use. Make sure joint

is frost-free. Cut tip of plastic nozzle to joint size. Puncture airtight seal. Install with hand or power operated caulking gun. Tool as required.

Tooling and finishing

Tooling and finishing must be carried out within the tack free time of the sealant. We recommend the use of Sika®-Slick. Other finishing agents or lubricants must be tested for suitability/compatibility. Do NOT use alcohol-based solvents.

Removal

Uncured Sikaflex®-201T can be removed from tools and equipment with Sika® Remover-208 or mineral spirits. 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 alcohol-based solvents. Strictly follow solvent manufacturer's instructions for use and warnings. Do not use solvents on skin!

Overpainting

Sikaflex®-201T can be overpainted when tack-free. The paint and paint process must be tested for compatibility by carrying out preliminary trials. Sikaflex®-201T should not be exposed to baking temperatures until it has attained full cure. It should be understood that the hardness and film thickness of the paint may impair the elasticity of the sealant and lead to cracking of the paint film with time.

Limitations

- When over-coating with water, oil and rubber based paints, compatibility and adhesion testing is essential.
- Avoid exposure to high levels of chlorine. (Maximum continuous level is 5ppm of chlorine.) Do not use in swimming pools.
- Maximum depth of sealant must not exceed ½ in.; minimum depth is ¼ in.
- Maximum expansion and contraction should not exceed 25% of average joint width.
- Do not apply over silicones or in the presence of curing silicones.
- Contact with alcohol or alcohol-containing solvents will prevent cure.
- Do not apply when moisture-vapor-transmission condition exists from

the substrate as this can cause bubbling within the sealant.

- Use opened cartridges the same day.
- When applying sealant, avoid air-entrapment.
- Since system is moisture-cured, permit sufficient exposure to air.
- Avoid application below 40°F (4°C) and above 100°F (38°C).
- Do not apply on frozen or wet surfaces or through standing water.
- White color tends to yellow slightly when exposed to ultraviolet rays.
- Light colors can yellow slightly if exposed to direct gas fired heating elements prior to the formation of initial skin.
- Do not use in contact with bituminous/asphaltic materials.
- The ultimate performance of Sikaflex®-201T sealant depends on good joint design and proper application with joint surfaces properly prepared.

WARNING: IRRITANT, SENSITIZER.

Contains 1, 2-Benzenedicarboxylic acid, di-C9-11-branched alkyl esters, C10-rich (CAS:68515-49-1), Polyisocyanateprepolymer TDI based (CAS:57451-08-8), titanium dioxide (CAS:13463-67-7), xylene (CAS:1330-20-7), ethylbenzene (CAS:100-41-4), and quartz (CAS:14808-60-7). Harmful if inhaled in high concentrations. May cause skin/eye irritation. May cause gastrointestinal disturbance if swallowed. May cause allergic respiratory reaction after prolonged contact. Reports have associated repeated and prolonged exposure to some of the chemicals in this product with permanent brain, liver, kidney and nervous system damage. Intentional misuse by deliberate concentration and inhalation of vapors may be harmful or fatal.

WARNING! This product contains a chemical known in the State of California to cause cancer and birth defects or other reproductive harm.

HMIS

Health	*2
Flammability	0
Reactivity	0
Personal Protection	G

First Aid

Further information available at: www.sikausa.com

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Eyes –Hold eyelids apart and flush thoroughly with water for 15 minutes.
Skin –Remove contaminated clothing. Wash skin thoroughly for 15 minutes with soap and water. **Inhalation** – Remove to fresh air. **Ingestion** –Do not induce vomiting. Dilute with water. Contact physician. **In all cases contact a physician immediately if symptoms persist.**

Further Information

For further information and advice regarding transportation, handling, storage and disposal of chemical products, users should refer to the actual Material Safety Data Sheets containing physical, ecological, toxicological and other safety related data. It is highly recommended to read the actual Material Safety Data Sheet before using the product.

- **KEEP OUT OF REACH OF CHILDREN**
- **NOT FOR INTERNAL CONSUMPTION**
- **FOR INDUSTRIAL USE ONLY**
- **KEEP CONTAINER TIGHTLY CLOSED**
- **FOR PROFESSIONAL USE ONLY**

Copies of the following publications are available on our website www.sikausa.com:

- Material Safety Data Sheets
- Product Data Sheet

In case of emergency call:
Chemtrec: 800-424-9300
International: 703-527-3887

Packaging Information

Cartridge	10.1 fl. oz
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Value Basis

All technical data stated on this Product Data Sheet are based on the results of laboratory tests only. Actual measured data in the field may vary due to site specific conditions which are not known to Sika and beyond our control.

Handling and Storage

Avoid direct contact. Wear personal protective equipment (chemical resistant goggles/gloves/clothing) to prevent direct contact with skin and eyes. Use only in well ventilated areas. Open doors and windows

during use. Use a properly fitted NIOSH respirator if ventilation is poor. Wash thoroughly with soap and water after use. Remove contaminated clothing and laundry before reuse.

Cleanup

Use personal protective equipment (chemical resistant gloves/ goggles/ clothing). Without direct contact, sweep up spilled or excess product and place in suitable sealed container. Dispose of excess product and container in accordance with applicable local, state, and federal regulations.

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 IMPLIED OR EXPRESS 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.**

Legal Notes/Disclaimer

All information provided by Sika Corporation ("Sika") concerning Sika products, including but not limited to, any recommendations and advice relating to the application and use of Sika products, is given in good faith based on Sika's current experience and knowledge of its products when properly stored, handled and applied under normal conditions in accordance with Sika's instructions. In practice, the differences in materials, substrates, storage and handling conditions, actual site conditions and other factors outside of Sika's control are such that Sika assumes no liability

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Sika reserves the right to change the properties of its products without notice. All sales of Sika product(s) are subject to its current terms and conditions of sale which are available at www.sikausa.com or by calling 201-933-8800. 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, product label and Material Safety Data Sheet which are available at www.sikausa.com. Nothing contained in any Sika materials relieves the user of the obligation to read and follow the warnings and instruction for each Sika product as set forth in the current Product Data Sheet, product label and Material Safety Data Sheet prior to product use.

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