

SikaBond® Construction Adhesive

One part advanced polyurethane, elastomeric adhesive

Description	SikaBond Construction Adhesive is a one-component, gun-grade, adhesive and sealing compound of permanent elasticity. This dual-purpose material is based on a special moisture-cured polyurethane with an accelerated curing time.
Where to Use	<p>As an elastic adhesive for:</p> <ul style="list-style-type: none"> ■ Paver caps, masonry veneer and Faux stone. ■ Cover plates, gaskets and coverings. ■ Acoustic ceiling tiles. ■ Floor moldings and door sills. ■ Light weight construction materials. ■ Wood, metal, or plastic window and door frames. ■ Roof tiles. <p>As an elastic joint sealer for:</p> <ul style="list-style-type: none"> ■ Air ducts and high vacuum systems. ■ Containers, tanks, and silos. ■ Gaskets in openings in walls or floors for ducts, piling, etc. ■ Reservoirs or water retaining structures. ■ Aluminum fabrication. ■ Bolted lap joints.
Advantages	<ul style="list-style-type: none"> ■ Excellent adhesion on all cement-based materials, brick, ceramics, glass, metals, wood, epoxy, polyester, acrylic resin, and plastics. ■ Fast cure rate. ■ Waterproof and water immersible after cure. ■ Good weathering resistance. ■ Non-corrosive. ■ Can be painted over with water, oil, and rubber-based paints. (Preliminary tests recommended). ■ High durability.
Coverage	10.1 fl. oz. cartridge seals 12.2 lineal ft. of 1/2 x 1/4 in. joint.
Packaging	10.1 fl. oz., moisture-proof composite cartridges, 12/case 29 fl. oz., moisture-proof composite cartridges, 12/case
How to Use	
Surface Preparation	Clean all surfaces. Joint walls must be sound, clean, dry, frost-free, and free of oil and grease. Curing compound residues and any other foreign matter must be thoroughly removed.

Typical Data (Material and curing conditions @ 73°F (23°C) and 50% R.H.)

RESULTS MAY DIFFER BASED UPON STATISTICAL VARIATIONS DEPENDING UPON MIXING METHODS AND EQUIPMENT, TEMPERATURE, APPLICATION METHODS, TEST METHODS, ACTUAL SITE CONDITIONS AND CURING CONDITIONS.

Shelf Life	10.1 oz. - 12 months in unopened container 29 oz. - 9 months in unopened container
Storage Conditions	Store at 40°-95°F (4°-35°C). Condition material to 65°-75°F before using.
Color	Gray
Application Temperature	40° to 100°F.
Service Range	-40° to 170°F
VOC	28.5 g/l
Curing Rate	Tack-free Time (TT-S-00230C) 1 to 2 hours depending on climate.
Final Cure	3 to 5 days
Tensile Properties (ASTM D-412)	
	Tensile Stress 225 psi
	Elongation at Break 600%
Weathering Resistance	Excellent
Chemical Resistance	Good resistance to water, weak acids, weak alkalis, sewerage, mineral oils, vegetable oils, fats, fuels, (Not resistant to organic solvents, paint thinner, strong acids, strong alkalis). Consult Technical Service for specific data.

Residential

Priming	Priming is not usually necessary for anodized aluminum, steel, non-absorbent materials such as glass, ceramics, stoneware and tiles. Most substrates only require priming if testing indicates a need or where sealant will be subjected to water immersion after cure. Consult Technical Service for additional information on priming.
Application	Recommended application temperatures: 40°-100°F. For cold weather application, condition material to 65°-75°F before using. Cut plastic tip of nozzle to desired size and puncture airtight seal at base of tip. Force adhesive onto bonding surface. Use as spread, bead or for spot bonding. Recommended application temperatures: 40°-100°F. Heavier substrates may require additional support during the cure period.
Storage	Store in dry warehouse conditions between 40°F and 80°F. Shelf life under these conditions is 12 months.
Limitations	<ul style="list-style-type: none">■ Allow 5 days (minimum) cure at standard conditions when using in total water immersion situations and prior to painting. When overcoating compatibility and adhesion testing is essential.■ Low temperature and humidity will slow the cure of the sealant.■ Avoid exposure to high levels of chlorine. (Maximum level is 5 ppm).■ Avoid contact with alcohol and other solvent cleaners during 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.■ White color tends to yellow slightly when exposed to ultraviolet rays.■ Not for use in expansion joints.
Caution WARNING	IRRITANT, SENSITIZER. Contains 1,2-Benzenedicarboxylic acid, di-C9-11-branched alkyl esters, C10-rich (CAS:68515-49-1), Calcium Carbonate (CAS: 471-34-1), MDI/Polyol Adduct (Mixture), Polyisocyanatepre-polymer TDI based (CAS:57451-08-8), titanium dioxide (CAS:13463-67-7), Polyvinyl Chloride (CAS: 9002-86-2), 4,4'-Diphenylmethane-di-N-butylurea (CAS: 77703-56-1) 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 allergic respiratory reaction. May cause gastrointestinal disturbance. 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.
Handling & 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. Removed contaminated clothing and launder before reuse.
First Aid	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 a physician. In all cases, contact a physician immediately if symptoms persist..
Clean Up	Use personal protective equipment (chemical resistant goggles/gloves/clothing). Without direct contact, sweep up spilled or excess product and place in a suitable sealed container. Dispose of excess product and container in accordance with applicable local, state, and federal regulations.

KEEP CONTAINER TIGHTLY CLOSED • KEEP OUT OF REACH OF CHILDREN • NOT FOR INTERNAL CONSUMPTION

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OUR COMMITMENT TO EXCELLENCE



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