

PRODUCT DATA SHEET

SikaBond® T-53

SikaBond®-T53 is a one part, advanced polyurethane, elastomeric adhesive.

PRODUCT DESCRIPTION

SikaBond®-T53 is a one-component, durable and flexible interior polyurethane adhesive.

USES

SikaBond®-T53 is designed for adhesion on all cement-based materials, brick, ceramics, and wood materials

CHARACTERISTICS / ADVANTAGES

- Fast cure rate
- High durability and flexible

PRODUCT INFORMATION

Chemical Base	Polyurethane
Packaging	600 ml foil pack, 20 foil packs per box
Shelf Life	SikaBond®-T53 has a shelf life of 12 months from the date of production, if it is stored properly in undamaged, original, sealed packaging, and if the storage conditions are met.
Storage Conditions	SikaBond®-T53 shall be stored in dry conditions, protected from direct sunlight and at temperatures between +41 °F and +77 °C.
Color	Beige

TECHNICAL INFORMATION

Shore A Hardness	40 approx. (after 28 days) (73 °F (23 °C) and 50 % R.H.)	(ASTM D-2240)
Tensile Strength	261 psi approx. (73 °F (23 °C) and 50 % R.H.)	(ASTM D-412)
Elongation at Break	500% approx. (73 °F (23 °C) and 50 % R.H.)	(ASTM D-412)
Shear Strength	174 psi approx. (73 °F (23 °C) and 50 % R.H.)	(ASTM D-1002 modified, glass substrate)
Service Temperature	-40 °F to 158 °F	

APPLICATION INFORMATION

Coverage	20 oz (600 ml) Sausage: Yield in Linear feet			
	Width/Depth	1/4"	3/8"	1/2"
	1/4"	48.1		
	3/8"	32.1	21.4	
	1/2"	24.1	16.0	12.0
	3/4"	16.0	10.7	8.0
	1"			6.0
	1.25"			4.8
	1.5"			4.0
Sag Flow	No Sag - holds body after gunning			
Ambient Air Temperature	+59 °F to +95 °F			
Relative Air Humidity	40% to 70%			
Curing Rate	1/8 inch (3.0 mm) in 24 hours at 73°F (23°C) and 50% RH.			
Tack Free Time	45-60 minutes at 73°F (23°C) and 50% RH			

BASIS OF PRODUCT DATA

Results may differ based upon statistical variations depending upon mixing methods and equipment, temperature, application methods, test methods, actual site conditions and curing conditions.

LIMITATIONS

- For good workability, the adhesive temperature shall be $\geq +59$ °F
- Low temperature and humidity will slow the cure
- Avoid contact with alcohol and other solvent cleaners during cure
- For proper curing of the adhesive, sufficient ambient humidity / moisture is necessary.
- A preliminary adhesion test is necessary before any application on glazed tiles.
- Do not use on polyethylene (PE), polypropylene (PP), polytetrafluoroethylene (PTFE / Teflon), and other similar plasticized synthetic materials.
- Since system is moisture-cured, permit sufficient exposure to air
- Do not use on tar, bituminous or asphaltic-based surfaces. Not for use in expansion joints
- For further information and advice, please contact our Technical Service Department.

ENVIRONMENTAL, HEALTH AND SAFETY

For further information and advice regarding transportation, handling, storage and disposal of chemical products, user should refer to the actual Safety Data Sheets containing physical, environmental, toxicological and other safety related data. User must read the current actual Safety Data Sheets before using any products. In case of an emergency, call CHEMTREC at 1-800-424-9300, International 703-527-3887.

APPLICATION INSTRUCTIONS

For the application of SikaBond®-T53 all standard construction guidelines apply.

SUBSTRATE PREPARATION

- Clean all surfaces. Surface 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.
- Substrates must be clean, dry, sound and homogeneous, free from oils, grease, dust and loose or friable particles. Paint, cement laitance and other poorly adhering contaminants must be removed.
- Concrete and/or cement screeds must be ground and thoroughly cleaned with an industrial vacuum.
- Anhydrite screeds, including flowable anhydrite screeds must be ground and thoroughly cleaned with an industrial vacuum shortly before bonding with the adhesive starts.
- For other substrates contact our Technical Service Department for advice and assistance.

CLEANING OF TOOLS

Clean all tools and application equipment immediately after use with Sika® Remover-208 and/or Sika® TopClean T. Once cured, residual material can only be removed mechanically.

OTHER RESTRICTIONS

See Legal Disclaimer.

LEGAL DISCLAIMER

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

Prior to each use of any product of Sika Corporation, its subsidiaries or affiliates ("SIKA"), the user must always read and follow the warnings and instructions on the product's most current product label, Product Data Sheet and Safety Data Sheet which are available at usa.sika.com or by calling SIKA's Technical Service Department at 1-800-933-7452. Nothing contained in any SIKA literature or 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 label, Product Data Sheet and Safety Data Sheet prior to use of the SIKA product.

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