



PRODUCT DATA SHEET

SikaLiquid® Weld

CONCRETE AND PLASTER BONDING AGENT

PRODUCT DESCRIPTION

SikaLiquid® Weld is a VAE based re-emulsifiable bonding agent. SikaLiquid® Weld is used to bond new concrete, stucco, tile setting beds and terrazzo to any structural sound surface, interior and exterior.

USES

- Bond new concrete to new or old concrete
- Interior or Exterior use
- Vertical or Horizontal
- Use on concrete, concrete block, cement board, hardi-board, plywood, brick, plaster, tile, gypsum, or stone

CHARACTERISTICS / ADVANTAGES

- Reemulsifiable or rewettable
- Extended open time
- Increased bond strength
- High build bonding agent
- Improved repair durability

PRODUCT INFORMATION

Packaging	1 gal (3.78 L) can 2 cans per box
Appearance / Color	Light Blue
Shelf Life	12 months from date of production if stored properly in original, unopened and undamaged sealed packaging
Storage Conditions	Store in cool, frost-free conditions with temperatures between 50 °F to 90 °F (10 °C to 32 °C). Condition product to between 50 °F to 90 °F (10 °C to 32 °C).
Viscosity	1,000 cps

TECHNICAL INFORMATION

Tensile Adhesion Strength	<u>7 days</u>	<u>150 psi (1.0 MPa)</u>	(ASTM C-1583)
Slant Shear Strength	<u>14 days</u>	<u>1,300 psi (9.0 MPa)</u>	(ASTM C-1059)
Freeze-Thaw Stability	<u>5 cycles</u>	<u>good</u>	(ASTM C-666)

APPLICATION INFORMATION

Coverage	150-300 ft ² (14-27.9 m ²) per can (Coverage figures do not include allowance for surface profile and porosity or material waste)
Waiting / Recoat Times	1 hour

APPLICATION INSTRUCTIONS

SURFACE PREPARATION

- Surface must be clean and sound.
- Remove all deteriorated concrete, dirt, oil, grease, and other bond-inhibiting materials from the surface.
- Preparation work should be done by high pressure water blast, scabber, or other appropriate mechanical means to obtain an aggregate-fractured surface with a minimum CSP 3 surface profile or greater.
- Ensure there are no curing compounds or other contaminants remaining on the substrate before application.
- Substrate must be dry before application.

MIXING

- Prior to installation, stir SikaLiquid® Weld before use for consistent dispersion.
- Apply Undiluted.

APPLICATION

- Apply SikaLiquid® Weld uniformly over the substrate using a stiff brush, broom, roller or spray to form a continuous film.
- Reapply SikaLiquid® Weld that are not covered entirely.
- Allow film to dry for approximately 1 hour prior to application of mortars, concrete or stucco.
- Dry time can be affected by temperature and humidity, check to make sure product is dry to the touch before topping.
- Extremely porous substrates may require 2 coats of SikaLiquid® Weld.
- Protect newly applied SikaLiquid® Weld from dust, dirt, debris and moisture.

LIMITATIONS

- Not recommended for use subject to hydrostatic pressure
- Do not dilute
- Do not apply onto water soluble substrates
- Do not apply on frozen or frost covered substrates
- Low temperatures or high humidity will extend curing time
- Do not allow stored product to freeze

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.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for the exact product data and uses.

ECOLOGY, HEALTH AND SAFETY

Keep container tightly closed. Keep out of reach of children. Not for internal consumption. For industrial use only. For professional use only. For further information and advice regarding transportation, handling, storage and disposal of chemical products, users should refer to the actual Safety Data Sheets containing physical, ecological, toxicological and other safety related data. Read the current actual Safety Data Sheet before using the product. In case of emergency, call CHEMTREC at 1-800-424-9300, International 703-527-3887.

DIRECTIVE 2004/42/CE - LIMITATION OF EMISSIONS OF VOC

32 g/l

(EPA method 24)

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 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.

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, ecological, 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.

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.** Sale of SIKA products are subject to the Terms and Conditions of Sale which are available at <https://usa.sika.com/en/group/SikaCorp/termsandconditions.html> or by calling 201-933-8300.

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