

## PRODUCT DATA SHEET

# Sika® LiquidWeld Blu

Concrete and Plaster Bonding Agent

### PRODUCT DESCRIPTION

A superior, re-emulsifiable, re-wettable, liquid bonding agent for concrete, cement mortars, stucco, and more.

### USES

- Bonding new concrete to old concrete
- Interior or exterior use
- Vertical or horizontal
- Use on concrete, block, cement board, hardie board, plywood, brick, plaster, tile, gypsum, stucco, or stone.

### CHARACTERISTICS / ADVANTAGES

- Re-emulsifiable
- Re-wettable
- Extended open time
- Increased bond strength
- Easy to apply and one component
- Improved repair durability
- Freeze-Thaw Stability: 5 cycle freeze

### PRODUCT INFORMATION

<b>Packaging</b>	1 gal. jug (7.5 L); 4 jugs per case		
<b>Shelf Life</b>	12 months in original, unopened containers		
<b>Storage Conditions</b>	Store in cool, frost-free conditions with temperatures between 50°F to 90°F (10°C to 32°C). Condition material between 60° to 75°F (15° to 24°C) before using.		
<b>Appearance / Color</b>	Light Blue when wet Royal Blue when dry		
<b>Tensile Adhesion Strength</b>	<u>7 days</u>	<u>150 psi (1.0 MPa)</u>	(ASTM C-1583)
<b>Slant Shear Strength</b>	<u>14 days</u>	<u>1,300 psi (9.0 MPa)</u>	(ASTM C-1059)

### APPLICATION INFORMATION

<b>Coverage</b>	1 jug yields approx. 150 - 300 ft <sup>2</sup> depending upon actual porosity of the prepared substrate.
<b>Drying Time</b>	Approx. 1 hour depending on temperature and humidity

## 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

- Not for use in wet environments, in or around swimming pools, showers, decks, below grade or retaining walls that may be subject to hydrostatic pressures, sidewalks, or parking ramps.
- 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.
- If substrate gets contaminated or wet, a recoat is required.
- Allow material to dry for approximately 1 hour and up to 10 days prior to the application of concrete, mortar, or stucco.

## 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

### 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 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 proceeding with the application.
- Substrate must be dry before application.

### MIXING

- Prior to installation, shake Sika® LiquidWeld Blu before use for consistent dispersion.
- Apply Undiluted (no water needed).

### APPLICATION

- Apply Sika® LiquidWeld Blu uniformly over the substrate using a stiff brush, broom, or roller to form a continuous film.
- Reapply Sika® LiquidWeld Blu in areas that are not covered entirely.
- Allow film to dry for approximately 1 hour prior to application of mortars, concrete, or stucco.
- Drying times can be affected by temperature and humidity, check to make sure the product is dry to the touch before topping.
- Extremely porous substrates may require two coats of Sika® LiquidWeld Blu.
- Protect newly applied Sika® LiquidWeld Blu from dust, dirt, debris, and moisture.
- Sika® LiquidWeld Blu can be left untopped by mortars, concrete, stucco, etc. for up to 10 days if properly protected from debris and moisture.

## 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](http://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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### Product Data Sheet

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